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CALPOST Version 6.221      Level 080724  
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Internal Coordinate Transformations by --- COORDLIB Version: 1.99 Level: 070921

Run Title:  
Cleco, Brame Energy Center  
BRETON WILDERNESS AREA CALPOST 2003  
VISIBILITY METHOD 8

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INPUT GROUP: 1 -- General run control parameters  
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Option to run all periods found  
in the met. file(s) (METRUN)      Default: 0 ! METRUN = 1 !

METRUN = 0 - Run period explicitly defined below  
METRUN = 1 - Run all periods in CALPUFF data file(s)

Starting date: Year (ISYR) -- No default ! ISYR = 2003 !  
                  Month (ISMO) -- No default ! ISMO = 1 !  
                  Day (ISDY) -- No default ! ISDY = 1 !  
Starting time: Hour (ISHR) -- No default ! ISHR = 0 !  
                  Minute (ISMIN) -- No default ! ISMIN = 0 !  
                  Second (ISSEC) -- No default ! ISSEC = 0 !

Ending date: Year (IEYR) -- No default ! IEYR = 2003 !  
                  Month (IEMO) -- No default ! IEMO = 12 !  
                  Day (IEDY) -- No default ! IEDY = 31 !  
Ending time: Hour (IEHR) -- No default ! IEHR = 0 !  
                  Minute (IEMIN) -- No default ! IEMIN = 0 !  
                  Second (IESEC) -- No default ! IESEC = 0 !

(These are only used if METRUN = 0)

All times are in the base time zone of the CALPUFF simulation.  
CALPUFF Dataset Version 2.1 contains the zone, but earlier versions  
do not, and the zone must be specified here. The zone is the  
number of hours that must be ADDED to the time to obtain UTC (or GMT).  
Identify the Base Time Zone for the CALPUFF simulation  
                  (BTZONE) -- No default ! BTZONE = 0.0 !

Process every period of data?  
                  (NREP) -- Default: 1 ! NREP = 1 !  
(1 = every period processed,  
2 = every 2nd period processed,

5 = every 5th period processed, etc.)

## Species & Concentration/Deposition Information

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Species to process (ASPEC) -- No default ! ASPEC = VISIB !  
(ASPEC = VISIB for visibility processing)

Layer/deposition code (ILAYER) -- Default: 1 ! ILAYER = 1 !  
'1' for CALPUFF concentrations,  
'-1' for dry deposition fluxes,  
'-2' for wet deposition fluxes,  
'-3' for wet+dry deposition fluxes.

Scaling factors of the form: -- Defaults: ! A = 0.0 !  
 $X(\text{new}) = X(\text{old}) * A + B$     A = 0.0 ! B = 0.0 !  
(NOT applied if A = B = 0.0)    B = 0.0

Add Hourly Background Concentrations/Fluxes?  
(LBACK) -- Default: F ! LBACK = F !

Source of NO<sub>2</sub> when ASPEC=NO<sub>2</sub> (above) or LVNO<sub>2</sub>=T (Group 2) may be from CALPUFF NO<sub>2</sub> concentrations OR from a fraction of CALPUFF NO<sub>x</sub> concentrations. Specify the fraction of NO<sub>x</sub> that is treated as NO<sub>2</sub> either as a constant or as a table of fractions that depend on the magnitude of the NO<sub>x</sub> concentration:

(NO<sub>2</sub>CALC) -- Default: 1 ! NO<sub>2</sub>CALC = 1 !  
0 = Use NO<sub>2</sub> directly (NO<sub>2</sub> must be in file)  
1 = Specify a single NO<sub>2</sub>/NO<sub>x</sub> ratio (RNO<sub>2</sub>NO<sub>x</sub>)  
2 = Specify a table NO<sub>2</sub>/NO<sub>x</sub> ratios (TNO<sub>2</sub>NO<sub>x</sub>)  
(NOTE: Scaling Factors must NOT be used with NO<sub>2</sub>CALC=2)

Single NO<sub>2</sub>/NO<sub>x</sub> ratio (0.0 to 1.0) for treating some or all NO<sub>x</sub> as NO<sub>2</sub>, where [NO<sub>2</sub>] = [NO<sub>x</sub>] \* RNO<sub>2</sub>NO<sub>x</sub>  
(used only if NO<sub>2</sub>CALC = 1)  
(RNO<sub>2</sub>NO<sub>x</sub>) -- Default: 1.0 ! RNO<sub>2</sub>NO<sub>x</sub> = 1.0 !

Table of NO<sub>2</sub>/NO<sub>x</sub> ratios that vary with NO<sub>x</sub> concentration. Provide 14 NO<sub>x</sub> concentrations (ug/m<sup>3</sup>) and the corresponding NO<sub>2</sub>/NO<sub>x</sub> ratio, with NO<sub>x</sub> increasing in magnitude. The ratio used for a particular NO<sub>x</sub> concentration is interpolated from the values provided in the table. The ratio for the smallest tabulated NO<sub>x</sub> concentration (the first) is used for all NO<sub>x</sub> concentrations less than the smallest tabulated value, and the ratio for the largest tabulated NO<sub>x</sub> concentration (the last) is used for all NO<sub>x</sub> concentrations greater than the largest tabulated value.  
(used only if NO<sub>2</sub>CALC = 2)

NO<sub>x</sub> concentration(ug / m<sup>3</sup>)  
(CNOX) -- No default  
! CNOX = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0,  
8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0 !

NO<sub>2</sub>/NO<sub>x</sub> ratio for each NO<sub>x</sub> concentration:  
(TNO<sub>2</sub>NO<sub>x</sub>) -- No default

! TNO2NOX = 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0,  
1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0 !

#### Source information

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Option to process source contributions:

- 0 = Process only total reported contributions
- 1 = Sum all individual source contributions and process
- 2 = Run in TRACEBACK mode to identify source  
contributions at a SINGLE receptor  
(MSOURCE) -- Default: 0 ! MSOURCE = 0 !

#### Plume Model Output Processing Options

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Output from models other than CALPUFF and CALGRID can be written in the CONC.DAT format and processed by CALPOST. Plume models such as AERMOD typically do not treat CALM hours, and do not include such hours in multiple-hour averages, with specific rules about how many calm hours can be removed from an average. This treatment is known as CALM PROCESSING. Calm periods are identified from wind speeds in the meteorological data file for the application, which must be identified in Input Group 0 as the single-point meteorological data file MET1DAT.

- 0 = Option is not used for CALPUFF/CALGRID output files
- 1 = Apply CALM processing procedures to multiple-hour averages  
(MCALMPRO) -- Default: 0 ! MCALMPRO = 0 !

Format of Single-point Met File

- 1 = AERMOD/AERMET SURFACE file  
(MET1FMT) -- Default: 1 ! MET1FMT = 1 !

#### Receptor information

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Gridded receptors processed? (LG) -- Default: F ! LG = F !  
Discrete receptors processed? (LD) -- Default: F ! LD = T !  
CTSG Complex terrain receptors processed?  
(LCT) -- Default: F ! LCT = F !

--Report results by DISCRETE receptor RING?  
(only used when LD = T) (LDRING) -- Default: F ! LDRING = F !

--Select range of DISCRETE receptors (only used when LD = T):

Select ALL DISCRETE receptors by setting NDRECP flag to -1;  
OR

Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each  
0 = discrete receptor not processed  
1 = discrete receptor processed

using repeated value notation to select blocks of receptors:  
23\*1, 15\*0, 12\*1

Flag for all receptors after the last one assigned is set to 0

(NDRECP) -- Default: -1

! NDRECP = 80\*0, 40\*1!

--Select range of GRIDDED receptors (only used when LG = T):

X index of LL corner (IBGRID) -- Default: -1 ! IBGRID = -1 !  
(-1 OR 1 <= IBGRID <= NX)

Y index of LL corner (JBGRID) -- Default: -1 ! JBGRID = -1 !  
(-1 OR 1 <= JBGRID <= NY)

X index of UR corner (IEGRID) -- Default: -1 ! IEGRID = -1 !  
(-1 OR 1 <= IEGRID <= NX)

Y index of UR corner (JEGRID) -- Default: -1 ! JEGRID = -1 !  
(-1 OR 1 <= JEGRID <= NY)

Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1

--Specific gridded receptors can also be excluded from CALPOST processing by filling a processing grid array with 0s and 1s. If the processing flag for receptor index (i,j) is 1 (ON), that receptor will be processed if it lies within the range delineated by IBGRID, JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be processed in the run. By default, all array values are set to 1 (ON).

Number of gridded receptor rows provided in Subgroup (1a) to identify specific gridded receptors to process

(NGONOFF) -- Default: 0 ! NGONOFF = 0 !

!END!

-----  
Subgroup (1a) -- Specific gridded receptors included/excluded  
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Specific gridded receptors are excluded from CALPOST processing by filling a processing grid array with 0s and 1s. A total of NGONOFF lines are read here. Each line corresponds to one 'row' in the sampling grid, starting with the NORTHERNMOST row that contains receptors that you wish to exclude, and finishing with row 1 to the SOUTH (no intervening rows may be skipped). Within a row, each receptor position is assigned either a 0 or 1, starting with the westernmost receptor.

0 = gridded receptor not processed

1 = gridded receptor processed

Repeated value notation may be used to select blocks of receptors:

23\*1, 15\*0, 12\*1

Because all values are initially set to 1, any receptors north of the first row entered, or east of the last value provided in a row, remain ON.

(NGXRECP) -- Default: 1

-----  
INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)  
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Test visibility options specified to see  
if they conform to FLAG 2008 configuration?

(MVISCHECK) -- Default: 1 ! MVISCHECK = 1 !

0 = NO checks are made

1 = Technical options must conform to FLAG 2008 visibility guidance

ASPEC = VISIB

LVNO2 = T

NO2CALC = 1

RNO2NOX = 1.0

MVISBK = 8

M8\_MODE = 5

Some of the data entered for use with the FLAG 2008 configuration  
are specific to the Class I area being evaluated. These values can  
be checked within the CALPOST user interface when the name of the  
Class I area is provided.

Name of Class I Area (used for QA purposes only)

(AREANAME) -- Default: User ! AREANAME = BRET !

Particle growth curve f(RH) for hygroscopic species

(MFRH) -- Default: 4 ! MFRH = 4 !

1 = IWAQM (1998) f(RH) curve (originally used with MVISBK=1)

2 = FLAG (2000) f(RH) tabulation

3 = EPA (2003) f(RH) tabulation

4 = IMPROVE (2006) f(RH) tabulations for sea salt, and for small and  
large SULFATE and NITRATE particles;

Used in Visibility Method 8 (MVISBK = 8 with M8\_MODE = 1, 2, or 3)

Maximum relative humidity (%) used in particle growth curve

(RHMAX) -- Default: 98 ! RHMAX = 95 !

Modeled species to be included in computing the light extinction

Include SULFATE? (LVSO4) -- Default: T ! LVSO4 = T !

Include NITRATE? (LVNO3) -- Default: T ! LVNO3 = T !

Include ORGANIC CARBON? (LVOC) -- Default: T ! LVOC = T !

Include COARSE PARTICLES? (LVPMC) -- Default: T ! LVPMC = T !

Include FINE PARTICLES? (LVPMF) -- Default: T ! LVPMF = T !

Include ELEMENTAL CARBON? (LVEC) -- Default: T ! LVEC = T !

Include NO2 absorption? (LVNO2) -- Default: F ! LVNO2 = T !

With Visibility Method 8 -- Default: T

FLAG (2008)

And, when ranking for TOP-N, TOP-50, and Exceedance tables,

Include BACKGROUND? (LVBK) -- Default: T ! LVBK = T !

Species name used for particulates in MODEL.DAT file

COARSE (SPECPMC) -- Default: PMC ! SPECPMC = PMC !  
FINE (SPECPMF) -- Default: PMF ! SPECPMF = PMF !

Extinction Efficiency (1/Mm per ug/m\*\*3)

-----  
MODELED particulate species:

PM COARSE (EEMC) -- Default: 0.6 ! EEMC = 0.6 !

PM FINE (EEMF) -- Default: 1.0 ! EEMF = 1 !

BACKGROUND particulate species:

PM COARSE (EEMCBK) -- Default: 0.6 ! EEMCBK = 0.6 !

Other species:

AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4 = 3 !

AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3 = 3 !

ORGANIC CARBON (EEOC) -- Default: 4.0 ! EEOC = 4 !

SOIL (EESOIL) -- Default: 1.0 ! EESOIL = 1 !

ELEMENTAL CARBON (EEEC) -- Default: 10. ! EEEC = 10 !

NO2 GAS (EENO2) -- Default: .1755 ! EENO2 = 0.1755 !

Visibility Method 8:

AMMONIUM SULFATE (EESO4S) Set Internally (small)

AMMONIUM SULFATE (EESO4L) Set Internally (large)

AMMONIUM NITRATE (EENO3S) Set Internally (small)

AMMONIUM NITRATE (EENO3L) Set Internally (large)

ORGANIC CARBON (EEOCS) Set Internally (small)

ORGANIC CARBON (EEOCL) Set Internally (large)

SEA SALT (EESALT) Set Internally

Background Extinction Computation

-----  
Method used for the 24h-average of percent change of light extinction:

Hourly ratio of source light extinction / background light extinction

is averaged? (LAVER) -- Default: F ! LAVER = F !

Method used for background light extinction

(MVISBK) -- Default: 8 ! MVISBK = 8 !

FLAG (2008)

- 1 = Supply single light extinction and hygroscopic fraction
  - Hourly F(RH) adjustment applied to hygroscopic background and modeled sulfate and nitrate
- 2 = Background extinction from speciated PM concentrations (A)
  - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
  - F(RH) factor is capped at F(RHMAX)
- 3 = Background extinction from speciated PM concentrations (B)
  - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
  - Receptor-hour excluded if RH>RHMAX
  - Receptor-day excluded if fewer than 6 valid receptor-hours
- 4 = Read hourly transmissometer background extinction measurements
  - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
  - Hour excluded if measurement invalid (missing, interference, or large RH)
  - Receptor-hour excluded if RH>RHMAX

- Receptor-day excluded if fewer than 6 valid receptor-hours
- 5 = Read hourly nephelometer background extinction measurements
  - Rayleigh extinction value (BEXTRAY) added to measurement
  - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
  - Hour excluded if measurement invalid (missing, interference, or large RH)
  - Receptor-hour excluded if  $RH > RH_{MAX}$
  - Receptor-day excluded if fewer than 6 valid receptor-hours
- 6 = Background extinction from speciated PM concentrations
  - FLAG (2000) monthly RH adjustment factor applied to observed and modeled sulfate and nitrate
- 7 = Use observed weather or prognostic weather information for background extinction during weather events; otherwise, use Method 2
  - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
  - F(RH) factor is capped at  $F(RH_{MAX})$
  - During observed weather events, compute Bext from visual range if using an observed weather data file, or
  - During prognostic weather events, use Bext from the prognostic weather file
  - Use Method 2 for hours without a weather event
- 8 = Background extinction from speciated PM concentrations using the IMPROVE (2006) variable extinction efficiency formulation (MFRH must be set to 4)
  - Split between small and large particle concentrations of SULFATES, NITRATES, and ORGANICS is a function of concentration and different extinction efficiencies are used for each
  - Source-induced change in visibility includes the increase in extinction of the background aerosol due to the change in the extinction efficiency that now depends on total concentration.
  - Fsmall(RH) and Flarge(RH) adjustments for small and large particles are applied to observed and modeled sulfate and nitrate concentrations
  - Fsalt(RH) adjustment for sea salt is applied to background sea salt concentrations
  - F(RH) factors are capped at  $F(RH_{MAX})$
  - RH for Fsmall(RH), Flarge(RH), and Fsalt(RH) may be obtained from hourly data as in Method 2 or from the FLAG monthly RH adjustment factor used for Method 6 where EPA F(RH) tabulation is used to infer RH, or monthly Fsmall, Flarge, and Fsalt RH adjustment factors can be directly entered.
  - Furthermore, a monthly RH factor may be applied to either hourly concentrations or daily concentrations to obtain the 24-hour extinction.
  - These choices are made using the M8\_MODE selection.

Additional inputs used for MVISBK = 1:

-----  
 Background light extinction (1/Mm)  
   (BEXTBK) -- No default ! BEXTBK = 12 !  
 Percentage of particles affected by relative humidity  
   (RHFRAC) -- No default ! RHFRAC = 10 !

Additional inputs used for MVISBK = 6,8:

-----  
 Extinction coefficients for hygroscopic species (modeled and background) are computed using a monthly RH adjustment factor

in place of an hourly RH factor (VISB.DAT file is NOT needed).  
Enter the 12 monthly factors here (RHFAC). Month 1 is January.

(RHFAC) -- No default ! RHFAC = 3.5, 3.3, 3.3, 3.3,  
3.4, 3.6, 3.8, 3.8,  
3.6, 3.4, 3.4, 3.5 !

Additional inputs used for MVISBK = 7:

-----  
The weather data file (DATSAV abbreviated space-delimited) that is identified as VSRN.DAT may contain data for more than one station. Identify the stations that are needed in the order in which they will be used to obtain valid weather and visual range. The first station that contains valid data for an hour will be used. Enter up to MXWSTA (set in PARAMS file) integer station IDs of up to 6 digits each as variable IDWSTA, and enter the corresponding time zone for each, as variable TZONE (= UTC-LST).

A prognostic weather data file with Bext for weather events may be used in place of the observed weather file. Identify this as the VSRN.DAT file and use a station ID of IDWSTA = 999999, and TZONE = 0.

NOTE: TZONE identifies the time zone used in the dataset. The DATSAV abbreviated space-delimited data usually are prepared with UTC time rather than local time, so TZONE is typically set to zero.

(IDWSTA) -- No default \* IDWSTA = 000000 \*  
(TZONE) -- No default \* TZONE = 0. \*

Additional inputs used for MVISBK = 2,3,6,7,8:

-----  
Background extinction coefficients are computed from monthly CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3), coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and elemental carbon (BKEC). Month 1 is January.  
(ug/m\*\*3)

(BKSO4) -- No default ! BKSO4 = 0.23, 0.23, 0.23, 0.23,  
0.23, 0.23, 0.23, 0.23,  
0.23, 0.23, 0.23, 0.23 !

(BKNO3) -- No default ! BKNO3 = 0.10, 0.10, 0.10, 0.10,  
0.10, 0.10, 0.10, 0.10,  
0.10, 0.10, 0.10, 0.10 !

(BKPMC) -- No default ! BKPMC = 3.01, 3.01, 3.01, 3.01,  
3.01, 3.01, 3.01, 3.01,  
3.01, 3.01, 3.01, 3.01 !

(BKOC) -- No default ! BKOC = 1.78, 1.78, 1.78, 1.78,  
1.78, 1.78, 1.78, 1.78,  
1.78, 1.78, 1.78, 1.78 !

(BKSOIL) -- No default ! BKSOIL = 0.48, 0.48, 0.48, 0.48,  
0.48, 0.48, 0.48, 0.48,  
0.48, 0.48, 0.48, 0.48 !

(BKEC) -- No default ! BKEC = 0.02, 0.02, 0.02, 0.02,  
0.02, 0.02, 0.02, 0.02,  
0.02, 0.02, 0.02, 0.02 !

Additional inputs used for MVISBK = 8:

-----  
Extinction coefficients for hygroscopic species (modeled and background) may be computed using hourly RH values and hourly modeled concentrations, or using monthly RH values inferred from the RHFAC adjustment factors and either hourly or daily modeled concentrations, or using monthly RHFSML, RHFLRG, and RHFSEA adjustment factors and either hourly or daily modeled concentrations.

(M8\_MODE) -- Default: 5 ! M8\_MODE= 5 !  
FLAG (2008)

- 1 = Use hourly RH values from VISB.DAT file with hourly modeled and monthly background concentrations.
- 2 = Use monthly RH from monthly RHFAC and EPA (2003) f(RH) tabulation with hourly modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 3 = Use monthly RH from monthly RHFAC with EPA (2003) f(RH) tabulation with daily modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 4 = Use monthly RHFSML, RHFLRG, and RHFSEA with hourly modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 5 = Use monthly RHFSML, RHFLRG, and RHFSEA with daily modeled and monthly background concentrations. (VISB.DAT file is NOT needed).

Background extinction coefficients are computed from monthly CONCENTRATIONS of sea salt (BKSALT). Month 1 is January. (ug/m\*\*3)

(BKSALT) -- No default ! BKSALT= 0.19, 0.19, 0.19, 0.19,  
0.19, 0.19, 0.19, 0.19,  
0.19, 0.19, 0.19, 0.19 !

Extinction coefficients for hygroscopic species (modeled and background) can be computed using monthly RH adjustment factors in place of an hourly RH factor (VISB.DAT file is NOT needed). Enter the 12 monthly factors here (RHFSML,RHFLRG,RHFSEA). Month 1 is January. (Used if M8\_MODE = 4 or 5)

Small ammonium sulfate and ammonium nitrate particle sizes (RHFSML) -- No default ! RHFSML= 4.08, 3.82, 3.79, 3.74,  
3.94, 4.12, 4.41, 4.37,  
4.18, 3.92, 3.93, 4.06 !

Large ammonium sulfate and ammonium nitrate particle sizes (RHFLRG) -- No default ! RHFLRG= 2.91, 2.76, 2.74, 2.72,  
2.83, 2.94, 3.10, 3.07,  
2.97, 2.82, 2.83, 2.90 !

Sea salt particles (RHFSEA) -- No default ! RHFSEA= 4.10, 3.89, 3.87, 3.85,  
4.02, 4.21, 4.44, 4.38,

4.23, 3.99, 4.01, 4.11 !

Additional inputs used for MVISBK = 2,3,5,6,7,8:

-----  
Extinction due to Rayleigh scattering is added (1/Mm)  
(BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11 !

!END!  
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INPUT GROUP: 3 -- Output options  
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Documentation  
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Documentation records contained in the header of the  
CALPUFF output file may be written to the list file.  
Print documentation image?  
(LDOC) -- Default: F ! LDOC = F !

Output Units  
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Units for All Output (IPRTU) -- Default: 1 ! IPRTU = 3 !  
for for  
Concentration Deposition  
1 = g/m\*\*3 g/m\*\*2/s  
2 = mg/m\*\*3 mg/m\*\*2/s  
3 = ug/m\*\*3 ug/m\*\*2/s  
4 = ng/m\*\*3 ng/m\*\*2/s  
5 = Odour Units

Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)

Averaging time(s) reported  
-----

1-pd averages (L1PD) -- Default: T ! L1PD = F !  
(pd = averaging period of model output)

1-hr averages (L1HR) -- Default: T ! L1HR = F !

3-hr averages (L3HR) -- Default: T ! L3HR = F !

24-hr averages (L24HR) -- Default: T ! L24HR = T !

Run-length averages (LRUNL) -- Default: T ! LRUNL = F !

User-specified averaging time in hours, minutes, seconds  
- results for this averaging time are reported if it is not zero

(NAVGH) -- Default: 0 ! NAVGH = 0 !  
(NAVGM) -- Default: 0 ! NAVGM = 0 !  
(NAVGS) -- Default: 0 ! NAVGS = 0 !

## Types of tabulations reported

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- 1) Visibility: daily visibility tabulations are always reported for the selected receptors when ASPEC = VISIB. In addition, any of the other tabulations listed below may be chosen to characterize the light extinction coefficients.  
[List file or Plot/Analysis File]
  
- 2) Top 50 table for each averaging time selected  
[List file only]  
(LT50) -- Default: T ! LT50 = F !
  
- 3) Top 'N' table for each averaging time selected  
[List file or Plot file]  
(LTOPN) -- Default: F ! LTOPN = F !  
  
-- Number of 'Top-N' values at each receptor selected (NTOP must be <= 4)  
(NTOP) -- Default: 4 ! NTOP = 4 !  
  
-- Specific ranks of 'Top-N' values reported (NTOP values must be entered)  
(ITOP(4) array) -- Default: ! ITOP = 1,2,3,4 !  
1,2,3,4
  
- 4) Threshold exceedance counts for each receptor and each averaging time selected  
[List file or Plot file]  
(LEXCD) -- Default: F ! LEXCD = F !  
  
-- Identify the threshold for each averaging time by assigning a non-negative value (output units).  
  
-- Default: -1.0  
Threshold for 1-hr averages (THRESH1) ! THRESH1 = -1.0 !  
Threshold for 3-hr averages (THRESH3) ! THRESH3 = -1.0 !  
Threshold for 24-hr averages (THRESH24) ! THRESH24 = -1.0 !  
Threshold for NAVG-hr averages (THRESHN) ! THRESHN = -1.0 !  
  
-- Counts for the shortest averaging period selected can be tallied daily, and receptors that experience more than NCOUNT counts over any NDAY period will be reported. This type of exceedance violation output is triggered only if NDAY > 0.  
  
Accumulation period(Days)  
(NDAY) -- Default: 0 ! NDAY = 0 !  
Number of exceedances allowed  
(NCOUNT) -- Default: 1 ! NCOUNT = 1 !

## 5) Selected day table(s)

Echo Option -- Many records are written each averaging period selected and output is grouped by day

[List file or Plot file]

(LECHO) -- Default: F ! LECHO = F !

Timeseries Option -- Averages at all selected receptors for each selected averaging period are written to timeseries files. Each file contains one averaging period, and all receptors are written to a single record each averaging time.

[TSERIES\_ASPEC\_ttHR\_CONC\_TSUNAM.DAT files]

(LTIME) -- Default: F ! LTIME = F !

Peak Value Option -- Averages at all selected receptors for each selected averaging period are screened and the peak value each period is written to timeseries files.

Each file contains one averaging period.

[PEAKVAL\_ASPEC\_ttHR\_CONC\_TSUNAM.DAT files]

(LPEAK) -- Default: F ! LPEAK = F !

-- Days selected for output

(IECHO(366)) -- Default: 366\*0

! IECHO = 366\*0 !

(366 values must be entered)

## Plot output options

Plot files can be created for the Top-N, Exceedance, and Echo tables selected above. Two formats for these files are available, DATA and GRID. In the DATA format, results at all receptors are listed along with the receptor location [x,y,val1,val2,...]. In the GRID format, results at only gridded receptors are written, using a compact representation. The gridded values are written in rows (x varies), starting with the most southern row of the grid. The GRID format is given the .GRD extension, and includes headers compatible with the SURFER(R) plotting software.

A plotting and analysis file can also be created for the daily peak visibility summary output, in DATA format only.

Generate Plot file output in addition to writing tables to List file?

(LPLT) -- Default: F ! LPLT = F !

Use GRID format rather than DATA format, when available?

(LGRD) -- Default: F ! LGRD = F !

## Auxiliary Output Files (for subsequent analyses)

-----  
Visibility

A separate output file may be requested that contains the change in visibility at each selected receptor when ASPEC = VISIB. This file can be processed to construct visibility measures that are not available in CALPOST.

Output file with the visibility change at each receptor?  
(MDVIS) -- Default: 0 ! MDVIS = 1 !

- 0 = Do Not create file
- 1 = Create file of DAILY (24 hour) Delta-Deciview
- 2 = Create file of DAILY (24 hour) Extinction Change (%)
- 3 = Create file of HOURLY Delta-Deciview
- 4 = Create file of HOURLY Extinction Change (%)

Additional Debug Output

-----  
Output selected information to List file  
for debugging?  
(LDEBUG) -- Default: F ! LDEBUG = F !

Output hourly extinction information to REPORT.HRV?  
(Visibility Method 7)  
(LVEXTHR) -- Default: F ! LVEXTHR = F !

!END!

-----  
NOTICE: Starting year in control file sets the  
expected century for the simulation. All  
YY years are converted to YYYY years in  
the range: 1953 2052  
-----

\*\*\*\*\*  
\*\*\*\*\*  
CALPOST Version 6.221      Level 080724  
\*\*\*\*\*  
\*\*\*\*\*

CALPOST Control File Input Summary -----

Replace run data with data in Puff file 1=Y:    1  
Run starting date -- year: 2003  
                  month:    1  
                  day:      1  
                  Julian day: 0  
Time at start of run - hour(0-23):    0  
                  - minute:  0  
                  - second:  0



Extinction Computation includes:

SULFATES

NITRATES

NO2 GAS

Fraction CALPUFF NOx used as NO2 : 1.000

ORGANIC CARBON

ELEMENTAL CARBON

COARSE PARTICLES

FINE PARTICLES

BACKGROUND

Particle f(RH) growth curve(s) : IMPROVE (2006) Tables

Max. RH % for particle growth (%): 95.000

Species name for modeled particulates

coarse: PMC

fine: PMF

Extinction Efficiency (1/Mm per ug/m\*\*3)

ammonium sulfate S: 2.2000

ammonium sulfate L: 4.8000

ammonium nitrate S: 2.4000

ammonium nitrate L: 5.1000

organic carbon S: 2.8000

organic carbon L: 6.1000

sea salt: 1.7000

NO2 gas: 0.1755

soil: 1.0000

elemental carbon: 10.0000

MODELED coarse PM: 0.6000

MODELED fine PM: 1.0000

BACKGRND coarse PM: 0.6000

Background Extinction Calculation Method 8

Method 8 Mode: 5

(24-hr avg conc. with monthly F(RH) data)

Monthly RH factor for small particles:

1 .4080E+01

2 .3820E+01

3 .3790E+01

4 .3740E+01

5 .3940E+01

6 .4120E+01

7 .4410E+01

8 .4370E+01

9 .4180E+01

10 .3920E+01

11 .3930E+01

12 .4060E+01

Monthly RH factor for large particles:

1 .2910E+01

2 .2760E+01

3 .2740E+01

4 .2720E+01  
 5 .2830E+01  
 6 .2940E+01  
 7 .3100E+01  
 8 .3070E+01  
 9 .2970E+01  
 10 .2820E+01  
 11 .2830E+01  
 12 .2900E+01

Monthly RH factor for sea salt:

1 .4100E+01  
 2 .3890E+01  
 3 .3870E+01  
 4 .3850E+01  
 5 .4020E+01  
 6 .4210E+01  
 7 .4440E+01  
 8 .4380E+01  
 9 .4230E+01  
 10 .3990E+01  
 11 .4010E+01  
 12 .4110E+01

Rayleigh scattering extinction (1/Mm): 11.00

Monthly background conc. (ug/m\*\*3):

	(NH4)2SO4	(NH4)NO3	PM-C	OC	SOIL	EC	SEA SALT
1	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
2	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
3	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
4	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
5	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
6	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
7	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
8	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
9	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
10	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
11	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
12	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00

Optional output file for visibility 1

Create file of DAILY (24 hour) Delta-Deciview

Output options

Units requested for output: (1/Mega-m)

Averaging time(s) selected

User-specified averaging time (hr:mm:ss): 0: 0: 0

1-pd averages: F

1-hr averages: F

3-hr averages: F

24-hr averages: T  
User-specified averages: F  
Length of run averages: F

Output components selected

Top-50: F  
Top-N values at each receptor: F  
Exceedance counts at each receptor: F  
Output selected information for debugging: F  
Echo tables for selected days: F  
Time-series for selected days: F  
Peak value Time-series for selected days: F

Plot file option

Plot files created: F

MAPSPEC: Species Mapping

Number of species-levels in file : 9  
Number of species-levels processed: 10

Input ID	Processing ID	Name	
1	1	SO2	1
2	2	SO4	1
3	3	NOX	1
4	4	HNO3	1
5	5	NO3	1
6	6	PMC	1
7	7	PMF	1
8	8	EC	1
9	9	SOA	1

Visibility Species

	Processing ID	Name	
sulfate	2	SO4	1
no2gas	10	NO2	1
noxgas	3	NOX	1
nitrate	5	NO3	1
specpmf	7	PMF	1
specpmc	6	PMC	1
orgcarb	9	SOA	1
lmncarb	8	EC	1

IDENTIFICATION OF PROCESSED MODEL FILE -----

CALPUFF 5.8 070623

Cleco, Brame Energy Center  
ALM-step1  
Repartitioning of NO3/HNO3

Averaging time for values reported from model:  
1 HOUR



EESOIL,EEEC,EENO2 = 1.00000000 10.00000000 0.175500005  
navg,ntop = 0 4  
navgh,navgm,navgs = 0 0 0  
itop = 1 2 3 4  
L[1,3,24]HR = F F T  
LNAVG, LRUNL = F F  
LT50, LTOPN, LEXCD = F F F  
LECHO, LTIME, LPEAK = F F F  
THRESH1 = -1.00000000  
THRESH3 = -1.00000000  
THRESH24 = -1.00000000  
THRESHN = -1.00000000  
LPLT, LGRD = F F  
MDVIS = 1  
LDEBUG = F  
LCTSG = F

CONTENTS OF HEADER OF MODEL OUTPUT FILE -----

model: CALPUFF 5.8 070623  
msyr,mjsday = 2002 365  
mshr,mssec = 23 0  
nsecdt (period) = 3600  
xbtz = 0.00000000E+00  
mnper,nszout,mavgpd = 8748 9 1  
xorigkm,yorigkm,nssta = -1008.00006 -1620.00012 0  
ielmet,jelmet = 306 246  
delx,dely,nz = 6.00000048 6.00000048 1  
iastar,iastop,jastar,jastop = 1 306 1 246  
isastr,isastp,jsastr,jsastp = 1 306 1 246  
(computed) ngx,ngy = 306 246  
meshdn,npts,nareas = 1 2 0  
nlines,nvols = 0 0  
ndrec,nctrec,LSGRID = 120 0 F

Discrete Receptors (n,x,y,z):

1 270.325958 -617.518738 365.000000  
2 271.090424 -617.493958 365.000000  
3 271.854797 -617.469055 368.000000  
4 268.767365 -616.646362 411.000000  
5 269.531738 -616.621643 462.000000  
6 270.296112 -616.596924 431.000000  
7 271.060486 -616.572083 518.000000  
8 271.824768 -616.547180 487.000000  
9 272.589142 -616.522217 396.000000  
10 265.680573 -615.822449 518.000000  
11 266.444855 -615.798096 523.000000  
12 267.209137 -615.773560 548.000000  
13 267.973419 -615.749023 579.000000  
14 268.737701 -615.724487 547.000000  
15 269.501984 -615.699768 538.000000  
16 270.266174 -615.674988 640.000000  
17 271.030457 -615.650146 608.000000  
18 260.301758 -615.069458 335.000000  
19 261.065948 -615.045532 431.000000  
20 261.830139 -615.021545 457.000000  
21 262.594421 -614.997498 414.000000

22 263.358612 -614.973389 426.000000  
23 264.122803 -614.949219 426.000000  
24 264.886993 -614.924866 388.000000  
25 265.651184 -614.900513 388.000000  
26 266.415375 -614.876160 365.000000  
27 267.179565 -614.851746 386.000000  
28 267.943756 -614.827209 396.000000  
29 268.707947 -614.802551 426.000000  
30 269.472137 -614.777832 446.000000  
31 270.236328 -614.753113 441.000000  
32 271.000519 -614.728210 457.000000  
33 271.764709 -614.703430 465.000000  
34 272.528900 -614.678406 442.000000  
35 273.293091 -614.653320 426.000000  
36 260.273010 -614.147583 304.000000  
37 261.037109 -614.123596 304.000000  
38 261.801208 -614.099609 319.000000  
39 262.565308 -614.075623 334.000000  
40 263.329498 -614.051453 370.000000  
41 264.093597 -614.027283 405.000000  
42 264.857697 -614.003052 409.000000  
43 265.621796 -613.978699 450.000000  
44 266.385895 -613.954224 518.000000  
45 267.150085 -613.929871 609.000000  
46 267.914185 -613.905273 534.000000  
47 268.678284 -613.880615 517.000000  
48 269.442383 -613.856018 575.000000  
49 270.206482 -613.831177 600.000000  
50 270.970581 -613.806458 609.000000  
51 271.734680 -613.781555 609.000000  
52 272.498779 -613.756592 561.000000  
53 261.008270 -613.201660 335.000000  
54 261.772278 -613.177795 432.000000  
55 262.536285 -613.153687 487.000000  
56 263.300385 -613.129517 499.000000  
57 264.064392 -613.105347 514.000000  
58 264.828400 -613.081177 442.000000  
59 265.592407 -613.056824 439.000000  
60 266.356506 -613.032410 395.000000  
61 267.120514 -613.007935 400.000000  
62 267.884521 -612.983398 426.000000  
63 268.648529 -612.958801 487.000000  
64 269.412537 -612.934143 548.000000  
65 270.176544 -612.909363 548.000000  
66 270.940643 -612.884521 548.000000  
67 271.704651 -612.859619 535.000000  
68 261.743347 -612.255859 304.000000  
69 262.507263 -612.231750 334.000000  
70 263.271271 -612.207703 396.000000  
71 264.035187 -612.183533 457.000000  
72 264.799103 -612.159241 457.000000  
73 265.563110 -612.134888 426.000000  
74 266.327026 -612.110535 411.000000  
75 267.090942 -612.086121 406.000000  
76 267.854858 -612.061462 396.000000  
77 268.618866 -612.036926 401.000000

78 269.382782 -612.012207 397.000000  
79 261.714325 -611.333984 322.000000  
80 262.478241 -611.309937 334.000000  
81 777.710327 -1118.01306 0.00000000E+00  
82 779.970947 -1115.93896 0.00000000E+00  
83 780.696777 -1114.93750 0.00000000E+00  
84 781.422607 -1113.93604 0.00000000E+00  
85 785.607117 -1106.06689 0.00000000E+00  
86 789.226929 -1101.05811 0.00000000E+00  
87 789.783386 -1098.19727 0.00000000E+00  
88 791.229553 -1096.19348 1.00000000  
89 791.145874 -1095.26416 1.00000000  
90 791.784912 -1093.33289 1.00000000  
91 791.701233 -1092.40356 1.00000000  
92 792.339722 -1090.47253 1.00000000  
93 792.256042 -1089.54321 1.00000000  
94 792.172180 -1088.61401 1.00000000  
95 792.088318 -1087.68494 1.00000000  
96 792.004639 -1086.75574 0.00000000E+00  
97 791.920776 -1085.82666 0.00000000E+00  
98 791.753418 -1083.96826 0.00000000E+00  
99 792.558716 -1083.89575 1.00000000  
100 792.474670 -1082.96667 1.00000000  
101 791.585876 -1082.11023 0.00000000E+00  
102 792.390991 -1082.03760 1.00000000  
103 791.502014 -1081.18127 0.00000000E+00  
104 792.307129 -1081.10864 1.00000000  
105 791.418335 -1080.25220 1.00000000  
106 791.334473 -1079.32324 1.00000000  
107 790.446045 -1078.46667 0.00000000E+00  
108 791.250793 -1078.39417 1.00000000  
109 790.362366 -1077.53772 0.00000000E+00  
110 791.167114 -1077.46521 1.00000000  
111 790.278687 -1076.60876 0.00000000E+00  
112 790.195007 -1075.67993 0.00000000E+00  
113 790.111328 -1074.75098 1.00000000  
114 789.223267 -1073.89453 0.00000000E+00  
115 789.139771 -1072.96558 0.00000000E+00  
116 788.251892 -1072.10913 0.00000000E+00  
117 788.168396 -1071.18030 1.00000000  
118 787.280884 -1070.32373 0.00000000E+00  
119 786.393372 -1069.46704 0.00000000E+00  
120 785.506226 -1068.61035 0.00000000E+00

Surface Met Station UTM's (n,x,y):

Control-file POINT Sources : 2  
EMARB-file POINT Sources : 0  
Control-file AREA Sources : 0  
EMARB-file AREA Sources : 0  
Control-file LINE Sources : 0  
EMARB-file LINE Sources : 0  
Control-file VOLUME Sources: 0  
EMARB-file VOLUME Sources : 0

Source Names

UNIT 1  
UNIT 2

-----  
INPUT FILES

Default Name	Unit No.	File Name and Path
CALPOST.INP	5	CT_CLECO_03_BRET.INP
MODEL.DAT	4	pu_cleco_03.flx

-----  
OUTPUT FILES

Default Name	Unit No.	File Name and Path
CALPOST.LST	8	ct_cleco_03_bret.lst

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CALPOST Version 6.221      Level 080724  
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24HR VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

START TIME	Modeled Extinction by Species												
Small Large SSalt													
YEAR DAY HR RECEPTOR	COORDINATES (km)			TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)						
%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)			
2002 365 23 81	777.710	-1118.013	D	1.623	23.365	24.988	6.95	0.794	0.777	0.006			
0.008	0.001	0.011	0.025	4.060	2.900	4.110							
2003 1 23 120	785.506	-1068.610	D	1.063	23.376	24.439	4.55	0.766	0.272	0.004			
0.005	0.000	0.007	0.008	4.080	2.910	4.100							
2003 2 23 81	777.710	-1118.013	D	0.298	23.376	23.674	1.27	0.206	0.083	0.001			
0.002	0.000	0.002	0.003	4.080	2.910	4.100							
2003 3 23 81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000			
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003 4 23 81	777.710	-1118.013	D	1.238	23.376	24.615	5.30	0.853	0.369	0.003			
0.004	0.001	0.006	0.002	4.080	2.910	4.100							
2003 5 23 81	777.710	-1118.013	D	0.835	23.376	24.212	3.57	0.625	0.201	0.002			
0.003	0.000	0.004	0.002	4.080	2.910	4.100							
2003 6 23 81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000			

0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	7	23	120	785.506	-1068.610	D	1.570	23.376	24.946	6.72	0.887	0.641	0.007
0.008	0.002	0.012	0.013	4.080	2.910	4.100							
2003	8	23	119	786.393	-1069.467	D	0.474	23.376	23.851	2.03	0.323	0.145	0.001
0.001	0.000	0.002	0.001	4.080	2.910	4.100							
2003	9	23	81	777.710	-1118.013	D	0.778	23.376	24.154	3.33	0.560	0.211	0.001
0.002	0.000	0.002	0.002	4.080	2.910	4.100							
2003	10	23	81	777.710	-1118.013	D	0.018	23.376	23.395	0.08	0.017	0.001	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	11	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	12	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	13	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	14	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	15	23	120	785.506	-1068.610	D	1.173	23.376	24.549	5.02	0.873	0.294	0.001
0.002	0.000	0.002	0.000	4.080	2.910	4.100							
2003	16	23	119	786.393	-1069.467	D	0.641	23.376	24.017	2.74	0.512	0.123	0.001
0.001	0.000	0.002	0.001	4.080	2.910	4.100							
2003	17	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	18	23	81	777.710	-1118.013	D	0.424	23.376	23.801	1.82	0.181	0.239	0.001
0.001	0.000	0.002	0.000	4.080	2.910	4.100							
2003	19	23	120	785.506	-1068.610	D	0.367	23.376	23.743	1.57	0.245	0.119	0.001
0.001	0.000	0.001	0.000	4.080	2.910	4.100							
2003	20	23	120	785.506	-1068.610	D	0.002	23.376	23.378	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	21	23	120	785.506	-1068.610	D	2.448	23.376	25.824	10.47	1.780	0.648	0.004
0.005	0.000	0.007	0.004	4.080	2.910	4.100							
2003	22	23	81	777.710	-1118.013	D	1.331	23.376	24.708	5.69	1.063	0.256	0.002
0.003	0.000	0.004	0.002	4.080	2.910	4.100							
2003	23	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	24	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	25	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	26	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	27	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	28	23	120	785.506	-1068.610	D	0.011	23.376	23.387	0.05	0.009	0.001	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	29	23	120	785.506	-1068.610	D	0.646	23.376	24.023	2.76	0.444	0.199	0.001
0.001	0.000	0.001	0.001	4.080	2.910	4.100							
2003	30	23	120	785.506	-1068.610	D	2.011	23.376	25.388	8.60	1.493	0.508	0.002
0.002	0.000	0.004	0.002	4.080	2.910	4.100							
2003	31	23	81	777.710	-1118.013	D	3.851	23.376	27.228	16.48	3.077	0.742	0.005
0.007	0.000	0.009	0.011	4.080	2.910	4.100							
2003	32	23	81	777.710	-1118.013	D	2.496	23.114	25.610	10.80	2.127	0.356	0.003
0.004	0.000	0.005	0.000	3.820	2.760	3.890							
2003	33	23	120	785.506	-1068.610	D	1.412	23.114	24.526	6.11	1.139	0.267	0.001
0.002	0.000	0.003	0.000	3.820	2.760	3.890							
2003	34	23	119	786.393	-1069.467	D	0.086	23.114	23.200	0.37	0.030	0.051	0.000

0.001	0.000	0.001	0.003	3.820	2.760	3.890							
2003	35	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	36	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	37	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	38	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	39	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	40	23	81	777.710	-1118.013	D	0.553	23.114	23.667	2.39	0.410	0.139	0.001
0.001	0.000	0.001	0.001	3.820	2.760	3.890							
2003	41	23	81	777.710	-1118.013	D	0.874	23.114	23.988	3.78	0.738	0.132	0.001
0.001	0.000	0.002	0.000	3.820	2.760	3.890							
2003	42	23	120	785.506	-1068.610	D	1.377	23.114	24.492	5.96	1.177	0.193	0.002
0.002	0.000	0.003	0.000	3.820	2.760	3.890							
2003	43	23	120	785.506	-1068.610	D	1.188	23.114	24.302	5.14	1.042	0.139	0.002
0.002	0.000	0.003	0.000	3.820	2.760	3.890							
2003	44	23	120	785.506	-1068.610	D	0.120	23.114	23.234	0.52	0.109	0.011	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	45	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	46	23	120	785.506	-1068.610	D	0.994	23.114	24.108	4.30	0.733	0.250	0.002
0.002	0.000	0.003	0.004	3.820	2.760	3.890							
2003	47	23	81	777.710	-1118.013	D	1.454	23.114	24.568	6.29	1.097	0.347	0.002
0.003	0.000	0.004	0.001	3.820	2.760	3.890							
2003	48	23	81	777.710	-1118.013	D	0.355	23.114	23.470	1.54	0.197	0.152	0.001
0.001	0.000	0.002	0.001	3.820	2.760	3.890							
2003	49	23	81	777.710	-1118.013	D	0.094	23.114	23.208	0.41	0.067	0.026	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	50	23	120	785.506	-1068.610	D	0.021	23.114	23.135	0.09	0.016	0.005	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	51	23	120	785.506	-1068.610	D	0.002	23.114	23.116	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	52	23	81	777.710	-1118.013	D	2.838	23.114	25.952	12.28	2.427	0.394	0.004
0.004	0.000	0.006	0.002	3.820	2.760	3.890							
2003	53	23	82	779.971	-1115.939	D	0.179	23.114	23.294	0.78	0.136	0.038	0.001
0.001	0.000	0.001	0.002	3.820	2.760	3.890							
2003	54	23	120	785.506	-1068.610	D	0.066	23.114	23.180	0.28	0.044	0.021	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	55	23	120	785.506	-1068.610	D	0.006	23.114	23.120	0.02	0.004	0.001	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	56	23	120	785.506	-1068.610	D	0.002	23.114	23.117	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	57	23	81	777.710	-1118.013	D	0.222	23.114	23.337	0.96	0.169	0.052	0.000
0.001	0.000	0.001	0.000	3.820	2.760	3.890							
2003	58	23	81	777.710	-1118.013	D	0.116	23.114	23.231	0.50	0.098	0.018	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	59	23	81	777.710	-1118.013	D	0.271	23.114	23.385	1.17	0.224	0.045	0.000
0.000	0.000	0.001	0.000	3.820	2.760	3.890							
2003	60	23	81	777.710	-1118.013	D	0.239	23.085	23.324	1.03	0.184	0.052	0.000
0.000	0.000	0.001	0.001	3.790	2.740	3.870							
2003	61	23	81	777.710	-1118.013	D	0.005	23.085	23.090	0.02	0.004	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	62	23	120	785.506	-1068.610	D	0.001	23.085	23.086	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	63	23	120	785.506	-1068.610	D	0.100	23.085	23.186	0.44	0.081	0.019	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	64	23	120	785.506	-1068.610	D	1.167	23.085	24.252	5.05	0.924	0.237	0.001
0.002	0.000	0.002	0.000	3.790	2.740	3.870							
2003	65	23	120	785.506	-1068.610	D	0.906	23.085	23.991	3.92	0.738	0.164	0.001
0.001	0.000	0.002	0.000	3.790	2.740	3.870							
2003	66	23	120	785.506	-1068.610	D	0.286	23.085	23.371	1.24	0.248	0.037	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	67	23	120	785.506	-1068.610	D	0.200	23.085	23.285	0.87	0.171	0.028	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	68	23	120	785.506	-1068.610	D	0.627	23.085	23.712	2.72	0.549	0.074	0.001
0.001	0.000	0.002	0.000	3.790	2.740	3.870							
2003	69	23	120	785.506	-1068.610	D	0.309	23.085	23.394	1.34	0.287	0.019	0.000
0.001	0.000	0.001	0.000	3.790	2.740	3.870							
2003	70	23	120	785.506	-1068.610	D	0.087	23.085	23.172	0.38	0.082	0.005	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	71	23	120	785.506	-1068.610	D	0.001	23.085	23.087	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	72	23	120	785.506	-1068.610	D	0.575	23.085	23.660	2.49	0.432	0.139	0.001
0.001	0.000	0.002	0.000	3.790	2.740	3.870							
2003	73	23	120	785.506	-1068.610	D	2.052	23.085	25.138	8.89	1.607	0.433	0.003
0.004	0.000	0.005	0.000	3.790	2.740	3.870							
2003	74	23	120	785.506	-1068.610	D	1.358	23.085	24.443	5.88	1.077	0.274	0.002
0.002	0.000	0.003	0.000	3.790	2.740	3.870							
2003	75	23	120	785.506	-1068.610	D	0.008	23.085	23.093	0.03	0.007	0.001	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	76	23	120	785.506	-1068.610	D	0.000	23.085	23.086	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	77	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	78	23	120	785.506	-1068.610	D	0.009	23.085	23.094	0.04	0.008	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	79	23	85	785.607	-1106.067	D	1.548	23.085	24.633	6.70	0.923	0.577	0.008
0.010	0.002	0.015	0.013	3.790	2.740	3.870							
2003	80	23	120	785.506	-1068.610	D	1.709	23.085	24.794	7.40	1.437	0.249	0.006
0.007	0.000	0.010	0.000	3.790	2.740	3.870							
2003	81	23	81	777.710	-1118.013	D	1.856	23.085	24.942	8.04	1.670	0.167	0.005
0.006	0.000	0.008	0.000	3.790	2.740	3.870							
2003	82	23	81	777.710	-1118.013	D	1.716	23.085	24.801	7.43	1.520	0.177	0.005
0.006	0.000	0.008	0.000	3.790	2.740	3.870							
2003	83	23	120	785.506	-1068.610	D	0.882	23.085	23.967	3.82	0.746	0.130	0.002
0.002	0.000	0.003	0.000	3.790	2.740	3.870							
2003	84	23	120	785.506	-1068.610	D	0.675	23.085	23.760	2.92	0.622	0.049	0.001
0.001	0.000	0.002	0.000	3.790	2.740	3.870							
2003	85	23	81	777.710	-1118.013	D	0.268	23.085	23.354	1.16	0.244	0.023	0.000
0.000	0.000	0.001	0.000	3.790	2.740	3.870							
2003	86	23	81	777.710	-1118.013	D	0.129	23.085	23.214	0.56	0.115	0.013	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	87	23	120	785.506	-1068.610	D	0.363	23.085	23.448	1.57	0.308	0.051	0.001
0.001	0.000	0.001	0.000	3.790	2.740	3.870							
2003	88	23	81	777.710	-1118.013	D	0.031	23.085	23.116	0.13	0.028	0.002	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	89	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	90	23	120	785.506	-1068.610	D	0.069	23.085	23.154	0.30	0.049	0.019	0.000

0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	91	23	120	785.506	-1068.610	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	92	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	93	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	94	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	95	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	96	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	97	23	120	785.506	-1068.610	D	0.024	23.042	23.065	0.10	0.021	0.003	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	98	23	81	777.710	-1118.013	D	0.146	23.042	23.187	0.63	0.131	0.014	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	99	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	100	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	101	23	81	777.710	-1118.013	D	0.048	23.042	23.090	0.21	0.042	0.006	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	102	23	81	777.710	-1118.013	D	1.269	23.042	24.311	5.51	1.121	0.137	0.003
0.003	0.000	0.005	0.000	3.740	2.720	3.850							
2003	103	23	120	785.506	-1068.610	D	0.677	23.042	23.718	2.94	0.636	0.035	0.001
0.002	0.000	0.002	0.000	3.740	2.720	3.850							
2003	104	23	120	785.506	-1068.610	D	0.133	23.042	23.174	0.58	0.127	0.005	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	105	23	116	788.252	-1072.109	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	106	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	107	23	81	777.710	-1118.013	D	0.703	23.042	23.744	3.05	0.570	0.124	0.002
0.003	0.000	0.004	0.000	3.740	2.720	3.850							
2003	108	23	81	777.710	-1118.013	D	0.256	23.042	23.297	1.11	0.199	0.056	0.000
0.000	0.000	0.001	0.000	3.740	2.720	3.850							
2003	109	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	110	23	120	785.506	-1068.610	D	0.004	23.042	23.046	0.02	0.004	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	111	23	81	777.710	-1118.013	D	0.421	23.042	23.463	1.83	0.398	0.017	0.001
0.002	0.000	0.003	0.000	3.740	2.720	3.850							
2003	112	23	81	777.710	-1118.013	D	0.039	23.042	23.081	0.17	0.038	0.001	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	113	23	81	777.710	-1118.013	D	0.010	23.042	23.051	0.04	0.010	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	114	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	115	23	81	777.710	-1118.013	D	0.481	23.042	23.523	2.09	0.395	0.081	0.001
0.002	0.000	0.002	0.000	3.740	2.720	3.850							
2003	116	23	97	791.921	-1085.827	D	0.572	23.042	23.614	2.48	0.554	0.014	0.001
0.001	0.000	0.002	0.000	3.740	2.720	3.850							
2003	117	23	81	777.710	-1118.013	D	0.150	23.042	23.192	0.65	0.147	0.002	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	118	23	81	777.710	-1118.013	D	0.010	23.042	23.052	0.04	0.010	0.000	0.000

0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	119	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	120	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	121	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	122	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	123	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	124	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	125	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	126	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	127	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	128	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	129	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	130	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	131	23	120	785.506	-1068.610	D	0.047	23.246	23.293	0.20	0.041	0.006	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	132	23	81	777.710	-1118.013	D	0.021	23.246	23.267	0.09	0.021	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	133	23	120	785.506	-1068.610	D	0.004	23.246	23.250	0.02	0.004	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	134	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	135	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	136	23	81	777.710	-1118.013	D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	137	23	120	785.506	-1068.610	D	0.081	23.246	23.327	0.35	0.079	0.001	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	138	23	120	785.506	-1068.610	D	0.369	23.246	23.615	1.59	0.363	0.004	0.000
0.001	0.000	0.001	0.000	3.940	2.830	4.020							
2003	139	23	120	785.506	-1068.610	D	0.203	23.246	23.449	0.87	0.200	0.002	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	140	23	81	777.710	-1118.013	D	0.112	23.246	23.357	0.48	0.110	0.001	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	141	23	81	777.710	-1118.013	D	0.036	23.246	23.282	0.15	0.035	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	142	23	81	777.710	-1118.013	D	0.003	23.246	23.249	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	143	23	120	785.506	-1068.610	D	0.005	23.246	23.251	0.02	0.005	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	144	23	120	785.506	-1068.610	D	0.020	23.246	23.266	0.09	0.020	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	145	23	120	785.506	-1068.610	D	0.321	23.246	23.567	1.38	0.316	0.003	0.000
0.001	0.000	0.001	0.000	3.940	2.830	4.020							
2003	146	23	120	785.506	-1068.610	D	0.543	23.246	23.789	2.33	0.520	0.019	0.001

0.001	0.000	0.001	0.000	3.940	2.830	4.020							
2003	147	23	81	777.710	-1118.013	D	0.128	23.246	23.374	0.55	0.126	0.001	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	148	23	81	777.710	-1118.013	D	0.012	23.246	23.258	0.05	0.012	0.000	0.000
0.000	0.000	0.000	0.000	3.940	2.830	4.020							
2003	149	23	81	777.710	-1118.013	D	2.284	23.246	25.530	9.82	2.230	0.027	0.007
0.008	0.001	0.012	0.000	3.940	2.830	4.020							
2003	150	23	120	785.506	-1068.610	D	1.224	23.246	24.470	5.26	1.192	0.023	0.002
0.003	0.000	0.004	0.000	3.940	2.830	4.020							
2003	151	23	120	785.506	-1068.610	D	0.409	23.246	23.655	1.76	0.400	0.006	0.001
0.001	0.000	0.001	0.000	3.940	2.830	4.020							
2003	152	23	120	785.506	-1068.610	D	0.122	23.442	23.564	0.52	0.120	0.001	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	153	23	120	785.506	-1068.610	D	0.069	23.442	23.511	0.29	0.068	0.001	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	154	23	120	785.506	-1068.610	D	0.126	23.442	23.568	0.54	0.121	0.004	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	155	23	120	785.506	-1068.610	D	0.059	23.442	23.501	0.25	0.058	0.001	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	156	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	157	23	120	785.506	-1068.610	D	0.021	23.442	23.463	0.09	0.021	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	158	23	81	777.710	-1118.013	D	2.987	23.442	26.429	12.74	2.918	0.052	0.004
0.005	0.001	0.008	0.000	4.120	2.940	4.210							
2003	159	23	81	777.710	-1118.013	D	5.213	23.442	28.655	22.24	5.091	0.094	0.007
0.008	0.001	0.012	0.000	4.120	2.940	4.210							
2003	160	23	120	785.506	-1068.610	D	1.221	23.442	24.663	5.21	1.202	0.014	0.001
0.002	0.000	0.002	0.000	4.120	2.940	4.210							
2003	161	23	120	785.506	-1068.610	D	0.006	23.442	23.448	0.03	0.006	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	162	23	120	785.506	-1068.610	D	0.001	23.442	23.443	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	163	23	112	790.195	-1075.680	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	164	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	165	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	166	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	167	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	168	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	169	23	120	785.506	-1068.610	D	0.001	23.442	23.443	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	170	23	120	785.506	-1068.610	D	0.686	23.442	24.129	2.93	0.676	0.007	0.001
0.001	0.000	0.001	0.000	4.120	2.940	4.210							
2003	171	23	120	785.506	-1068.610	D	0.405	23.442	23.847	1.73	0.400	0.003	0.000
0.000	0.000	0.001	0.000	4.120	2.940	4.210							
2003	172	23	120	785.506	-1068.610	D	0.015	23.442	23.457	0.06	0.015	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	173	23	120	785.506	-1068.610	D	0.002	23.442	23.444	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	174	23	120	785.506	-1068.610	D	0.000	23.442	23.443	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	175	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	176	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	177	23	120	785.506	-1068.610	D	0.035	23.442	23.477	0.15	0.034	0.001	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	178	23	81	777.710	-1118.013	D	0.234	23.442	23.676	1.00	0.231	0.003	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	179	23	81	777.710	-1118.013	D	0.013	23.442	23.455	0.05	0.013	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	180	23	81	777.710	-1118.013	D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	181	23	81	777.710	-1118.013	D	0.001	23.442	23.443	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.120	2.940	4.210							
2003	182	23	81	777.710	-1118.013	D	0.012	23.733	23.745	0.05	0.012	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	183	23	81	777.710	-1118.013	D	0.041	23.733	23.774	0.17	0.040	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	184	23	120	785.506	-1068.610	D	0.064	23.733	23.797	0.27	0.063	0.001	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	185	23	120	785.506	-1068.610	D	0.069	23.733	23.802	0.29	0.068	0.001	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	186	23	120	785.506	-1068.610	D	0.083	23.733	23.816	0.35	0.082	0.001	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	187	23	120	785.506	-1068.610	D	0.019	23.733	23.752	0.08	0.019	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	188	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	189	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	190	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	191	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	192	23	120	785.506	-1068.610	D	0.010	23.733	23.743	0.04	0.010	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	193	23	120	785.506	-1068.610	D	0.007	23.733	23.740	0.03	0.007	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	194	23	120	785.506	-1068.610	D	0.003	23.733	23.736	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	195	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	196	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	197	23	120	785.506	-1068.610	D	0.507	23.733	24.240	2.14	0.495	0.008	0.001
0.001	0.000	0.002	0.000	4.410	3.100	4.440							
2003	198	23	120	785.506	-1068.610	D	1.959	23.733	25.692	8.25	1.933	0.013	0.003
0.004	0.000	0.005	0.000	4.410	3.100	4.440							
2003	199	23	120	785.506	-1068.610	D	2.719	23.733	26.452	11.46	2.687	0.018	0.004
0.004	0.000	0.006	0.000	4.410	3.100	4.440							
2003	200	23	120	785.506	-1068.610	D	5.260	23.733	28.993	22.16	5.162	0.066	0.008
0.009	0.001	0.014	0.000	4.410	3.100	4.440							
2003	201	23	120	785.506	-1068.610	D	2.146	23.733	25.879	9.04	2.093	0.038	0.003
0.004	0.000	0.006	0.000	4.410	3.100	4.440							
2003	202	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	203	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	204	23	120	785.506	-1068.610	D	0.132	23.733	23.865	0.56	0.129	0.003	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	205	23	120	785.506	-1068.610	D	0.007	23.733	23.740	0.03	0.007	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	206	23	120	785.506	-1068.610	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	207	23	120	785.506	-1068.610	D	0.005	23.733	23.738	0.02	0.005	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	208	23	120	785.506	-1068.610	D	0.002	23.733	23.735	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	209	23	120	785.506	-1068.610	D	0.110	23.733	23.843	0.46	0.105	0.004	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	210	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	211	23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	212	23	119	786.393	-1069.467	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440							
2003	213	23	120	785.506	-1068.610	D	0.007	23.684	23.691	0.03	0.007	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	214	23	120	785.506	-1068.610	D	0.001	23.684	23.685	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	215	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	216	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	217	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	218	23	120	785.506	-1068.610	D	0.076	23.684	23.760	0.32	0.072	0.004	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	219	23	81	777.710	-1118.013	D	0.504	23.684	24.187	2.13	0.493	0.007	0.001
0.001	0.000	0.002	0.000	4.370	3.070	4.380							
2003	220	23	81	777.710	-1118.013	D	0.026	23.684	23.710	0.11	0.026	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	221	23	81	777.710	-1118.013	D	0.039	23.684	23.722	0.16	0.038	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	222	23	81	777.710	-1118.013	D	0.169	23.684	23.852	0.71	0.167	0.001	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	223	23	81	777.710	-1118.013	D	0.409	23.684	24.093	1.73	0.404	0.003	0.000
0.001	0.000	0.001	0.000	4.370	3.070	4.380							
2003	224	23	120	785.506	-1068.610	D	0.443	23.684	24.127	1.87	0.439	0.003	0.000
0.000	0.000	0.001	0.000	4.370	3.070	4.380							
2003	225	23	120	785.506	-1068.610	D	0.111	23.684	23.795	0.47	0.110	0.001	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	226	23	120	785.506	-1068.610	D	0.075	23.684	23.759	0.32	0.074	0.001	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	227	23	120	785.506	-1068.610	D	0.107	23.684	23.790	0.45	0.106	0.001	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	228	23	120	785.506	-1068.610	D	0.117	23.684	23.801	0.50	0.116	0.001	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	229	23	120	785.506	-1068.610	D	0.136	23.684	23.820	0.58	0.135	0.001	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	230	23	120	785.506	-1068.610	D	0.121	23.684	23.805	0.51	0.120	0.000	0.000

0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	231	23	120	785.506	-1068.610	D	0.079	23.684	23.763	0.33	0.079	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	232	23	120	785.506	-1068.610	D	0.059	23.684	23.742	0.25	0.058	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	233	23	120	785.506	-1068.610	D	0.075	23.684	23.758	0.32	0.074	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	234	23	120	785.506	-1068.610	D	0.051	23.684	23.734	0.21	0.050	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	235	23	120	785.506	-1068.610	D	0.046	23.684	23.730	0.20	0.046	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	236	23	120	785.506	-1068.610	D	0.032	23.684	23.716	0.13	0.032	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	237	23	120	785.506	-1068.610	D	0.023	23.684	23.707	0.10	0.023	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	238	23	120	785.506	-1068.610	D	0.013	23.684	23.696	0.05	0.013	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	239	23	120	785.506	-1068.610	D	0.006	23.684	23.690	0.03	0.006	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	240	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	241	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	242	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	243	23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380							
2003	244	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	245	23	119	786.393	-1069.467	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	246	23	120	785.506	-1068.610	D	0.322	23.493	23.815	1.37	0.316	0.004	0.000
0.000	0.000	0.001	0.000	4.180	2.970	4.230							
2003	247	23	81	777.710	-1118.013	D	0.370	23.493	23.863	1.57	0.367	0.001	0.000
0.000	0.000	0.001	0.000	4.180	2.970	4.230							
2003	248	23	81	777.710	-1118.013	D	0.053	23.493	23.546	0.22	0.052	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	249	23	81	777.710	-1118.013	D	0.046	23.493	23.540	0.20	0.046	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	250	23	81	777.710	-1118.013	D	0.391	23.493	23.885	1.67	0.388	0.001	0.001
0.001	0.000	0.001	0.000	4.180	2.970	4.230							
2003	251	23	81	777.710	-1118.013	D	0.360	23.493	23.854	1.53	0.357	0.001	0.000
0.001	0.000	0.001	0.000	4.180	2.970	4.230							
2003	252	23	120	785.506	-1068.610	D	0.039	23.493	23.532	0.16	0.038	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	253	23	120	785.506	-1068.610	D	0.006	23.493	23.500	0.03	0.006	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	254	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	255	23	120	785.506	-1068.610	D	0.001	23.493	23.494	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	256	23	120	785.506	-1068.610	D	0.051	23.493	23.545	0.22	0.050	0.001	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	257	23	81	777.710	-1118.013	D	0.084	23.493	23.578	0.36	0.082	0.001	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	258	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	259	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	260	23	81	777.710	-1118.013	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	261	23	120	785.506	-1068.610	D	0.000	23.493	23.493	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	262	23	120	785.506	-1068.610	D	0.003	23.493	23.496	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	263	23	120	785.506	-1068.610	D	0.001	23.493	23.494	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	264	23	120	785.506	-1068.610	D	0.007	23.493	23.501	0.03	0.007	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	265	23	120	785.506	-1068.610	D	0.028	23.493	23.522	0.12	0.028	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	266	23	81	777.710	-1118.013	D	0.010	23.493	23.503	0.04	0.010	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	267	23	120	785.506	-1068.610	D	0.009	23.493	23.502	0.04	0.009	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	268	23	120	785.506	-1068.610	D	0.008	23.493	23.501	0.03	0.008	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	269	23	120	785.506	-1068.610	D	0.028	23.493	23.521	0.12	0.027	0.001	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	270	23	81	777.710	-1118.013	D	0.195	23.493	23.688	0.83	0.192	0.003	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	271	23	81	777.710	-1118.013	D	0.005	23.493	23.498	0.02	0.005	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	272	23	119	786.393	-1069.467	D	0.000	23.493	23.494	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	273	23	120	785.506	-1068.610	D	0.001	23.493	23.495	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.180	2.970	4.230							
2003	274	23	120	785.506	-1068.610	D	0.003	23.221	23.224	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	275	23	120	785.506	-1068.610	D	0.001	23.221	23.223	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	276	23	120	785.506	-1068.610	D	0.005	23.221	23.227	0.02	0.005	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	277	23	120	785.506	-1068.610	D	0.024	23.221	23.246	0.10	0.023	0.001	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	278	23	120	785.506	-1068.610	D	0.040	23.221	23.262	0.17	0.038	0.002	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	279	23	120	785.506	-1068.610	D	0.029	23.221	23.251	0.13	0.028	0.001	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	280	23	120	785.506	-1068.610	D	0.006	23.221	23.227	0.02	0.005	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	281	23	120	785.506	-1068.610	D	0.001	23.221	23.222	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	282	23	120	785.506	-1068.610	D	0.011	23.221	23.233	0.05	0.010	0.001	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	283	23	120	785.506	-1068.610	D	0.014	23.221	23.236	0.06	0.013	0.001	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	284	23	120	785.506	-1068.610	D	0.050	23.221	23.272	0.22	0.050	0.001	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	285	23	120	785.506	-1068.610	D	0.054	23.221	23.275	0.23	0.053	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	286	23	120	785.506	-1068.610	D	0.643	23.221	23.864	2.77	0.619	0.019	0.001

0.001	0.000	0.002	0.000	3.920	2.820	3.990							
2003	287	23	81	777.710	-1118.013	D	0.194	23.221	23.416	0.84	0.190	0.002	0.000
0.001	0.000	0.001	0.000	3.920	2.820	3.990							
2003	288	23	81	777.710	-1118.013	D	0.004	23.221	23.226	0.02	0.004	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	289	23	120	785.506	-1068.610	D	0.077	23.221	23.298	0.33	0.075	0.002	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	290	23	81	777.710	-1118.013	D	1.973	23.221	25.194	8.50	1.793	0.160	0.005
0.006	0.000	0.008	0.000	3.920	2.820	3.990							
2003	291	23	81	777.710	-1118.013	D	0.002	23.221	23.223	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	292	23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	293	23	120	785.506	-1068.610	D	0.404	23.221	23.626	1.74	0.376	0.021	0.002
0.002	0.000	0.003	0.000	3.920	2.820	3.990							
2003	294	23	120	785.506	-1068.610	D	0.808	23.221	24.029	3.48	0.752	0.028	0.005
0.006	0.001	0.009	0.006	3.920	2.820	3.990							
2003	295	23	120	785.506	-1068.610	D	0.218	23.221	23.439	0.94	0.207	0.006	0.001
0.002	0.000	0.002	0.000	3.920	2.820	3.990							
2003	296	23	81	777.710	-1118.013	D	0.379	23.221	23.601	1.63	0.334	0.043	0.001
0.001	0.000	0.001	0.000	3.920	2.820	3.990							
2003	297	23	120	785.506	-1068.610	D	0.068	23.221	23.290	0.29	0.064	0.004	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	298	23	120	785.506	-1068.610	D	0.015	23.221	23.236	0.06	0.014	0.001	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	299	23	120	785.506	-1068.610	D	0.967	23.221	24.189	4.17	0.820	0.140	0.002
0.002	0.000	0.003	0.000	3.920	2.820	3.990							
2003	300	23	81	777.710	-1118.013	D	0.213	23.221	23.435	0.92	0.204	0.007	0.000
0.001	0.000	0.001	0.000	3.920	2.820	3.990							
2003	301	23	120	785.506	-1068.610	D	0.896	23.221	24.117	3.86	0.823	0.060	0.004
0.003	0.000	0.005	0.000	3.920	2.820	3.990							
2003	302	23	120	785.506	-1068.610	D	0.029	23.221	23.250	0.12	0.027	0.001	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	303	23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	304	23	81	777.710	-1118.013	D	0.000	23.221	23.221	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.920	2.820	3.990							
2003	305	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	306	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	307	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	308	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	309	23	81	777.710	-1118.013	D	1.036	23.235	24.271	4.46	0.985	0.034	0.004
0.005	0.000	0.007	0.000	3.930	2.830	4.010							
2003	310	23	120	785.506	-1068.610	D	0.640	23.235	23.876	2.76	0.581	0.047	0.003
0.003	0.000	0.005	0.001	3.930	2.830	4.010							
2003	311	23	81	777.710	-1118.013	D	0.046	23.235	23.282	0.20	0.044	0.002	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	312	23	81	777.710	-1118.013	D	0.000	23.235	23.236	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	313	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	314	23	119	786.393	-1069.467	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	315	23	120	785.506	-1068.610	D	0.000	23.235	23.236	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	316	23	81	777.710	-1118.013	D	0.141	23.235	23.376	0.61	0.127	0.010	0.001
0.001	0.000	0.001	0.001	3.930	2.830	4.010							
2003	317	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	318	23	120	785.506	-1068.610	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	319	23	120	785.506	-1068.610	D	0.001	23.235	23.236	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	320	23	120	785.506	-1068.610	D	0.000	23.235	23.236	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	321	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	322	23	86	789.227	-1101.058	D	0.049	23.235	23.285	0.21	0.022	0.021	0.001
0.001	0.000	0.001	0.004	3.930	2.830	4.010							
2003	323	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	324	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	325	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	326	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	327	23	85	785.607	-1106.067	D	0.094	23.235	23.330	0.41	0.048	0.042	0.000
0.001	0.000	0.001	0.002	3.930	2.830	4.010							
2003	328	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	329	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	330	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	331	23	120	785.506	-1068.610	D	0.263	23.235	23.498	1.13	0.160	0.097	0.001
0.001	0.000	0.001	0.002	3.930	2.830	4.010							
2003	332	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	333	23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	334	23	120	785.506	-1068.610	D	0.037	23.235	23.273	0.16	0.031	0.005	0.000
0.000	0.000	0.000	0.000	3.930	2.830	4.010							
2003	335	23	120	785.506	-1068.610	D	0.190	23.365	23.555	0.81	0.164	0.024	0.001
0.001	0.000	0.001	0.000	4.060	2.900	4.110							
2003	336	23	120	785.506	-1068.610	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	337	23	120	785.506	-1068.610	D	0.110	23.365	23.475	0.47	0.090	0.019	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	338	23	120	785.506	-1068.610	D	1.358	23.365	24.723	5.81	1.056	0.292	0.002
0.003	0.000	0.004	0.000	4.060	2.900	4.110							
2003	339	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	340	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	341	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	342	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	343	23	120	785.506	-1068.610	D	0.408	23.365	23.773	1.75	0.195	0.195	0.002
0.003	0.000	0.004	0.008	4.060	2.900	4.110							
2003	344	23	81	777.710	-1118.013	D	0.407	23.365	23.772	1.74	0.232	0.166	0.002
0.002	0.000	0.003	0.002	4.060	2.900	4.110							
2003	345	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	346	23	81	777.710	-1118.013	D	0.003	23.365	23.367	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	347	23	81	777.710	-1118.013	D	0.001	23.365	23.366	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	348	23	81	777.710	-1118.013	D	0.005	23.365	23.370	0.02	0.004	0.001	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	349	23	120	785.506	-1068.610	D	0.092	23.365	23.457	0.39	0.067	0.024	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	350	23	99	792.559	-1083.896	D	0.172	23.365	23.537	0.74	0.133	0.037	0.000
0.000	0.000	0.001	0.000	4.060	2.900	4.110							
2003	351	23	120	785.506	-1068.610	D	0.461	23.365	23.826	1.97	0.284	0.165	0.002
0.003	0.000	0.004	0.003	4.060	2.900	4.110							
2003	352	23	81	777.710	-1118.013	D	0.095	23.365	23.460	0.41	0.075	0.017	0.001
0.001	0.000	0.001	0.000	4.060	2.900	4.110							
2003	353	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	354	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	355	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	356	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	357	23	120	785.506	-1068.610	D	1.067	23.365	24.431	4.56	0.779	0.276	0.002
0.003	0.000	0.004	0.003	4.060	2.900	4.110							
2003	358	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	359	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	360	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	361	23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	362	23	81	777.710	-1118.013	D	0.010	23.365	23.375	0.04	0.006	0.004	0.000
0.000	0.000	0.000	0.000	4.060	2.900	4.110							
2003	363	23	81	777.710	-1118.013	D	1.316	23.365	24.681	5.63	0.886	0.420	0.002
0.002	0.000	0.003	0.002	4.060	2.900	4.110							

--- Ranked Daily Visibility Change ---

START TIME	Modeled Extinction by Species												
Small Large SSalt													
YEAR DAY HR RECEPTOR	COORDINATES (km)					TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)				
%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)			
2003 159 23 81	777.710	-1118.013	D	5.213	23.442	28.655	22.24	5.091	0.094	0.007			
0.008	0.001	0.012	0.000	4.120	2.940	4.210	1						
2003 200 23 120	785.506	-1068.610	D	5.260	23.733	28.993	22.16	5.162	0.066	0.008			
0.009	0.001	0.014	0.000	4.410	3.100	4.440	2						
2003 31 23 81	777.710	-1118.013	D	3.851	23.376	27.228	16.48	3.077	0.742	0.005			
0.007	0.000	0.009	0.011	4.080	2.910	4.100	3						

2003	158	23	81	777.710	-1118.013	D	2.987	23.442	26.429	12.74	2.918	0.052	0.004
0.005	0.001	0.008	0.000	4.120	2.940	4.210	4						
2003	52	23	81	777.710	-1118.013	D	2.838	23.114	25.952	12.28	2.427	0.394	0.004
0.004	0.000	0.006	0.002	3.820	2.760	3.890	5						
2003	199	23	120	785.506	-1068.610	D	2.719	23.733	26.452	11.46	2.687	0.018	0.004
0.004	0.000	0.006	0.000	4.410	3.100	4.440	6						
2003	32	23	81	777.710	-1118.013	D	2.496	23.114	25.610	10.80	2.127	0.356	0.003
0.004	0.000	0.005	0.000	3.820	2.760	3.890	7						
2003	21	23	120	785.506	-1068.610	D	2.448	23.376	25.824	10.47	1.780	0.648	0.004
0.005	0.000	0.007	0.004	4.080	2.910	4.100	8						
2003	149	23	81	777.710	-1118.013	D	2.284	23.246	25.530	9.82	2.230	0.027	0.007
0.008	0.001	0.012	0.000	3.940	2.830	4.020	9						
2003	201	23	120	785.506	-1068.610	D	2.146	23.733	25.879	9.04	2.093	0.038	0.003
0.004	0.000	0.006	0.000	4.410	3.100	4.440	10						
2003	73	23	120	785.506	-1068.610	D	2.052	23.085	25.138	8.89	1.607	0.433	0.003
0.004	0.000	0.005	0.000	3.790	2.740	3.870	11						
2003	30	23	120	785.506	-1068.610	D	2.011	23.376	25.388	8.60	1.493	0.508	0.002
0.002	0.000	0.004	0.002	4.080	2.910	4.100	12						
2003	290	23	81	777.710	-1118.013	D	1.973	23.221	25.194	8.50	1.793	0.160	0.005
0.006	0.000	0.008	0.000	3.920	2.820	3.990	13						
2003	198	23	120	785.506	-1068.610	D	1.959	23.733	25.692	8.25	1.933	0.013	0.003
0.004	0.000	0.005	0.000	4.410	3.100	4.440	14						
2003	81	23	81	777.710	-1118.013	D	1.856	23.085	24.942	8.04	1.670	0.167	0.005
0.006	0.000	0.008	0.000	3.790	2.740	3.870	15						
2003	82	23	81	777.710	-1118.013	D	1.716	23.085	24.801	7.43	1.520	0.177	0.005
0.006	0.000	0.008	0.000	3.790	2.740	3.870	16						
2003	80	23	120	785.506	-1068.610	D	1.709	23.085	24.794	7.40	1.437	0.249	0.006
0.007	0.000	0.010	0.000	3.790	2.740	3.870	17						
2002	365	23	81	777.710	-1118.013	D	1.623	23.365	24.988	6.95	0.794	0.777	0.006
0.008	0.001	0.011	0.025	4.060	2.900	4.110	18						
2003	7	23	120	785.506	-1068.610	D	1.570	23.376	24.946	6.72	0.887	0.641	0.007
0.008	0.002	0.012	0.013	4.080	2.910	4.100	19						
2003	79	23	85	785.607	-1106.067	D	1.548	23.085	24.633	6.70	0.923	0.577	0.008
0.010	0.002	0.015	0.013	3.790	2.740	3.870	20						
2003	47	23	81	777.710	-1118.013	D	1.454	23.114	24.568	6.29	1.097	0.347	0.002
0.003	0.000	0.004	0.001	3.820	2.760	3.890	21						
2003	33	23	120	785.506	-1068.610	D	1.412	23.114	24.526	6.11	1.139	0.267	0.001
0.002	0.000	0.003	0.000	3.820	2.760	3.890	22						
2003	42	23	120	785.506	-1068.610	D	1.377	23.114	24.492	5.96	1.177	0.193	0.002
0.002	0.000	0.003	0.000	3.820	2.760	3.890	23						
2003	74	23	120	785.506	-1068.610	D	1.358	23.085	24.443	5.88	1.077	0.274	0.002
0.002	0.000	0.003	0.000	3.790	2.740	3.870	24						
2003	338	23	120	785.506	-1068.610	D	1.358	23.365	24.723	5.81	1.056	0.292	0.002
0.003	0.000	0.004	0.000	4.060	2.900	4.110	25						
2003	22	23	81	777.710	-1118.013	D	1.331	23.376	24.708	5.69	1.063	0.256	0.002
0.003	0.000	0.004	0.002	4.080	2.910	4.100	26						
2003	363	23	81	777.710	-1118.013	D	1.316	23.365	24.681	5.63	0.886	0.420	0.002
0.002	0.000	0.003	0.002	4.060	2.900	4.110	27						
2003	102	23	81	777.710	-1118.013	D	1.269	23.042	24.311	5.51	1.121	0.137	0.003
0.003	0.000	0.005	0.000	3.740	2.720	3.850	28						
2003	4	23	81	777.710	-1118.013	D	1.238	23.376	24.615	5.30	0.853	0.369	0.003
0.004	0.001	0.006	0.002	4.080	2.910	4.100	29						
2003	150	23	120	785.506	-1068.610	D	1.224	23.246	24.470	5.26	1.192	0.023	0.002
0.003	0.000	0.004	0.000	3.940	2.830	4.020	30						
2003	160	23	120	785.506	-1068.610	D	1.221	23.442	24.663	5.21	1.202	0.014	0.001
0.002	0.000	0.002	0.000	4.120	2.940	4.210	31						

2003	43	23	120	785.506	-1068.610	D	1.188	23.114	24.302	5.14	1.042	0.139	0.002
0.002	0.000	0.003	0.000	3.820	2.760	3.890	32						
2003	64	23	120	785.506	-1068.610	D	1.167	23.085	24.252	5.05	0.924	0.237	0.001
0.002	0.000	0.002	0.000	3.790	2.740	3.870	33						
2003	15	23	120	785.506	-1068.610	D	1.173	23.376	24.549	5.02	0.873	0.294	0.001
0.002	0.000	0.002	0.000	4.080	2.910	4.100	34						

--- Number of days with Extinction Change => 5.0 % : 34  
 --- Number of days with Extinction Change => 10.0 % : 8  
 --- Largest Extinction Change = 22.24 %

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 CALPOST Version 6.221 Level 080724  
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Run-Length VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

RECEPTOR	COORDINATES (km)	TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)	%CHANGE
120	785.506 -1068.610	D	0.258	23.339	23.597	1.11

--- Number of recs with Extinction Change > 1.0 % : 40  
 --- Largest Extinction Change = 1.11 %

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 CALPOST Version 6.221 Level 080724  
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24HR VISIBILITY

VISIB BOESNCFG

(deciview)

START TIME	% of Modeled Extinction by Species																			
Small Large SSalt	YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)	
	2002	365	23	81	777.710 -1118.013	D	9.158	8.486	0.672	48.94	47.88	0.39	0.48							

0.07	0.69	1.54	4.060	2.900	4.110														
2003	1	23	120	785.506	-1068.610	D	8.936	8.491	0.445	72.12	25.56	0.36	0.48	0.02					
0.68	0.78	4.080	2.910	4.100															
2003	2	23	81	777.710	-1118.013	D	8.618	8.491	0.127	69.25	27.95	0.39	0.51	0.03					
0.73	1.14	4.080	2.910	4.100															
2003	3	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	4.080	2.910	4.100															
2003	4	23	81	777.710	-1118.013	D	9.008	8.491	0.516	68.89	29.83	0.26	0.33	0.04					
0.47	0.17	4.080	2.910	4.100															
2003	5	23	81	777.710	-1118.013	D	8.843	8.491	0.351	74.78	24.01	0.24	0.30	0.02					
0.44	0.22	4.080	2.910	4.100															
2003	6	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	4.080	2.910	4.100															
2003	7	23	120	785.506	-1068.610	D	9.141	8.491	0.650	56.48	40.86	0.42	0.52	0.13					
0.75	0.85	4.080	2.910	4.100															
2003	8	23	119	786.393	-1069.467	D	8.692	8.491	0.201	68.11	30.64	0.26	0.27	0.04					
0.41	0.27	4.080	2.910	4.100															
2003	9	23	81	777.710	-1118.013	D	8.819	8.491	0.327	71.97	27.13	0.18	0.20	0.01					
0.30	0.21	4.080	2.910	4.100															
2003	10	23	81	777.710	-1118.013	D	8.499	8.491	0.008	92.21	7.27	0.14	0.15	0.00					
0.23	0.00	4.080	2.910	4.100															
2003	11	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	4.080	2.910	4.100															
2003	12	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	4.080	2.910	4.100															
2003	13	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	4.080	2.910	4.100															
2003	14	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	4.080	2.910	4.100															
2003	15	23	120	785.506	-1068.610	D	8.981	8.491	0.489	74.45	25.09	0.11	0.14						
0.01	0.20	0.01	4.080	2.910	4.100														
2003	16	23	119	786.393	-1069.467	D	8.762	8.491	0.270	79.91	19.22	0.17	0.20						
0.01	0.29	0.21	4.080	2.910	4.100														
2003	17	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	4.080	2.910	4.100															
2003	18	23	81	777.710	-1118.013	D	8.671	8.491	0.180	42.54	56.38	0.23	0.27	0.07					
0.40	0.11	4.080	2.910	4.100															
2003	19	23	120	785.506	-1068.610	D	8.647	8.491	0.156	66.88	32.43	0.17	0.21						
0.01	0.30	0.01	4.080	2.910	4.100														
2003	20	23	120	785.506	-1068.610	D	8.492	8.491	0.001	82.59	16.87	0.12	0.16						
0.00	0.23	0.00	4.080	2.910	4.100														
2003	21	23	120	785.506	-1068.610	D	9.487	8.491	0.996	72.72	26.48	0.16	0.19						
0.01	0.27	0.17	4.080	2.910	4.100														
2003	22	23	81	777.710	-1118.013	D	9.045	8.491	0.554	79.86	19.27	0.16	0.21	0.01					
0.30	0.18	4.080	2.910	4.100															
2003	23	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	4.080	2.910	4.100															
2003	24	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	4.080	2.910	4.100															
2003	25	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	4.080	2.910	4.100															
2003	26	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	4.080	2.910	4.100															
2003	27	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	4.080	2.910	4.100															
2003	28	23	120	785.506	-1068.610	D	8.496	8.491	0.005	85.76	13.82	0.11	0.12						

0.00	0.18	0.00	4.080	2.910	4.100														
2003	29	23	120	785.506	-1068.610	D	8.764	8.491	0.273	68.68	30.78	0.13	0.11						
0.00	0.17	0.13	4.080	2.910	4.100														
2003	30	23	120	785.506	-1068.610	D	9.317	8.491	0.825	74.24	25.26	0.11	0.12						
0.01	0.17	0.09	4.080	2.910	4.100														
2003	31	23	81	777.710	-1118.013	D	10.017	8.491	1.525	79.90	19.27	0.14	0.17						
0.01	0.25	0.28	4.080	2.910	4.100														
2003	32	23	81	777.710	-1118.013	D	9.404	8.379	1.025	85.23	14.27	0.12	0.15	0.01					
0.21	0.01	3.820	2.760	3.890															
2003	33	23	120	785.506	-1068.610	D	8.971	8.379	0.593	80.66	18.90	0.11	0.13						
0.00	0.19	0.00	3.820	2.760	3.890														
2003	34	23	119	786.393	-1069.467	D	8.416	8.379	0.037	35.13	59.53	0.54	0.67						
0.07	0.96	3.11	3.820	2.760	3.890														
2003	35	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.820	2.760	3.890															
2003	36	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.820	2.760	3.890															
2003	37	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.820	2.760	3.890															
2003	38	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.820	2.760	3.890															
2003	39	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.820	2.760	3.890															
2003	40	23	81	777.710	-1118.013	D	8.615	8.379	0.236	74.23	25.11	0.15	0.11	0.02					
0.19	0.19	3.820	2.760	3.890															
2003	41	23	81	777.710	-1118.013	D	8.750	8.379	0.371	84.46	15.06	0.13	0.13	0.00					
0.20	0.02	3.820	2.760	3.890															
2003	42	23	120	785.506	-1068.610	D	8.957	8.379	0.579	85.48	14.04	0.12	0.14						
0.01	0.21	0.00	3.820	2.760	3.890														
2003	43	23	120	785.506	-1068.610	D	8.880	8.379	0.501	87.73	11.68	0.14	0.19						
0.00	0.27	0.00	3.820	2.760	3.890														
2003	44	23	120	785.506	-1068.610	D	8.430	8.379	0.052	90.35	9.24	0.10	0.12	0.00					
0.18	0.00	3.820	2.760	3.890															
2003	45	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	3.820	2.760	3.890															
2003	46	23	120	785.506	-1068.610	D	8.800	8.379	0.421	73.71	25.12	0.18	0.21						
0.02	0.31	0.44	3.820	2.760	3.890														
2003	47	23	81	777.710	-1118.013	D	8.988	8.379	0.610	75.45	23.86	0.15	0.18	0.00					
0.27	0.09	3.820	2.760	3.890															
2003	48	23	81	777.710	-1118.013	D	8.531	8.379	0.153	55.56	42.86	0.30	0.40	0.01					
0.57	0.29	3.820	2.760	3.890															
2003	49	23	81	777.710	-1118.013	D	8.419	8.379	0.040	71.71	27.34	0.21	0.29	0.01					
0.41	0.03	3.820	2.760	3.890															
2003	50	23	120	785.506	-1068.610	D	8.388	8.379	0.009	76.28	23.11	0.13	0.20						
0.00	0.28	0.00	3.820	2.760	3.890														
2003	51	23	120	785.506	-1068.610	D	8.379	8.379	0.001	76.88	22.56	0.10	0.18						
0.00	0.25	0.00	3.820	2.760	3.890														
2003	52	23	81	777.710	-1118.013	D	9.537	8.379	1.158	85.55	13.89	0.12	0.15	0.01					
0.22	0.06	3.820	2.760	3.890															
2003	53	23	82	779.971	-1115.939	D	8.456	8.379	0.077	75.87	21.33	0.41	0.52	0.05					
0.74	1.08	3.820	2.760	3.890															
2003	54	23	120	785.506	-1068.610	D	8.407	8.379	0.028	67.48	31.36	0.29	0.32						
0.03	0.48	0.05	3.820	2.760	3.890														
2003	55	23	120	785.506	-1068.610	D	8.381	8.379	0.002	73.83	25.25	0.19	0.31						
0.00	0.43	0.00	3.820	2.760	3.890														
2003	56	23	120	785.506	-1068.610	D	8.380	8.379	0.001	82.77	16.29	0.18	0.32						

0.00	0.43	0.00	3.820	2.760	3.890									
2003	57	23	81	777.710	-1118.013	D	8.474	8.379	0.096	75.81	23.20	0.14	0.29	0.01
0.38	0.17	3.820	2.760	3.890										
2003	58	23	81	777.710	-1118.013	D	8.429	8.379	0.050	83.90	15.54	0.13	0.17	0.00
0.24	0.03	3.820	2.760	3.890										
2003	59	23	81	777.710	-1118.013	D	8.495	8.379	0.117	82.79	16.74	0.11	0.14	0.00
0.20	0.01	3.820	2.760	3.890										
2003	60	23	81	777.710	-1118.013	D	8.469	8.366	0.103	76.96	21.94	0.17	0.20	0.04
0.30	0.39	3.790	2.740	3.870										
2003	61	23	81	777.710	-1118.013	D	8.368	8.366	0.002	92.69	6.88	0.10	0.14	0.00
0.20	0.00	3.790	2.740	3.870										
2003	62	23	120	785.506	-1068.610	D	8.366	8.366	0.000	79.94	19.57	0.15	0.11	
0.00	0.17	0.00	3.790	2.740	3.870									
2003	63	23	120	785.506	-1068.610	D	8.410	8.366	0.043	80.88	18.77	0.09	0.11	
0.00	0.16	0.00	3.790	2.740	3.870									
2003	64	23	120	785.506	-1068.610	D	8.859	8.366	0.493	79.20	20.33	0.11	0.14	
0.00	0.20	0.01	3.790	2.740	3.870									
2003	65	23	120	785.506	-1068.610	D	8.751	8.366	0.385	81.50	18.07	0.11	0.13	
0.00	0.19	0.00	3.790	2.740	3.870									
2003	66	23	120	785.506	-1068.610	D	8.489	8.366	0.123	86.50	13.10	0.10	0.12	
0.00	0.17	0.00	3.790	2.740	3.870									
2003	67	23	120	785.506	-1068.610	D	8.452	8.366	0.086	85.36	14.16	0.11	0.15	
0.00	0.21	0.00	3.790	2.740	3.870									
2003	68	23	120	785.506	-1068.610	D	8.634	8.366	0.268	87.54	11.75	0.17	0.22	
0.00	0.32	0.00	3.790	2.740	3.870									
2003	69	23	120	785.506	-1068.610	D	8.499	8.366	0.133	93.13	6.22	0.15	0.21	0.00
0.29	0.00	3.790	2.740	3.870										
2003	70	23	120	785.506	-1068.610	D	8.404	8.366	0.038	94.05	5.41	0.13	0.17	0.00
0.24	0.00	3.790	2.740	3.870										
2003	71	23	120	785.506	-1068.610	D	8.367	8.366	0.001	92.07	7.41	0.11	0.15	0.00
0.20	0.00	3.790	2.740	3.870										
2003	72	23	120	785.506	-1068.610	D	8.612	8.366	0.246	75.11	24.15	0.16	0.20	
0.06	0.28	0.04	3.790	2.740	3.870									
2003	73	23	120	785.506	-1068.610	D	9.218	8.366	0.852	78.30	21.12	0.14	0.17	
0.01	0.25	0.00	3.790	2.740	3.870									
2003	74	23	120	785.506	-1068.610	D	8.938	8.366	0.572	79.33	20.19	0.11	0.14	
0.01	0.21	0.00	3.790	2.740	3.870									
2003	75	23	120	785.506	-1068.610	D	8.370	8.366	0.003	90.92	8.55	0.11	0.17	0.01
0.24	0.00	3.790	2.740	3.870										
2003	76	23	120	785.506	-1068.610	D	8.366	8.366	0.000	93.53	5.46	0.22	0.21	0.00
0.28	0.00	3.790	2.740	3.870										
2003	77	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.790	2.740	3.870										
2003	78	23	120	785.506	-1068.610	D	8.370	8.366	0.004	95.89	3.65	0.11	0.15	0.00
0.20	0.00	3.790	2.740	3.870										
2003	79	23	85	785.607	-1106.067	D	9.015	8.366	0.649	59.61	37.29	0.52	0.66	0.13
0.95	0.85	3.790	2.740	3.870										
2003	80	23	120	785.506	-1068.610	D	9.080	8.366	0.714	84.08	14.57	0.33	0.41	
0.02	0.59	0.00	3.790	2.740	3.870									
2003	81	23	81	777.710	-1118.013	D	9.140	8.366	0.773	89.99	9.01	0.25	0.30	0.02
0.44	0.00	3.790	2.740	3.870										
2003	82	23	81	777.710	-1118.013	D	9.083	8.366	0.717	88.61	10.29	0.27	0.33	0.02
0.48	0.00	3.790	2.740	3.870										
2003	83	23	120	785.506	-1068.610	D	8.741	8.366	0.375	84.60	14.69	0.18	0.21	
0.02	0.31	0.00	3.790	2.740	3.870									
2003	84	23	120	785.506	-1068.610	D	8.654	8.366	0.288	92.20	7.22	0.14	0.17	0.02

0.25	0.00	3.790	2.740	3.870										
2003	85	23	81	777.710	-1118.013	D	8.482	8.366	0.116	91.04	8.48	0.12	0.14	0.01
0.21	0.00	3.790	2.740	3.870										
2003	86	23	81	777.710	-1118.013	D	8.422	8.366	0.056	89.52	10.07	0.10	0.12	0.01
0.18	0.00	3.790	2.740	3.870										
2003	87	23	120	785.506	-1068.610	D	8.522	8.366	0.156	84.92	14.12	0.22	0.26	
0.02	0.38	0.09	3.790	2.740	3.870									
2003	88	23	81	777.710	-1118.013	D	8.380	8.366	0.013	91.25	8.03	0.18	0.21	0.01
0.30	0.01	3.790	2.740	3.870										
2003	89	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.790	2.740	3.870										
2003	90	23	120	785.506	-1068.610	D	8.396	8.366	0.030	71.38	27.64	0.30	0.23	
0.05	0.38	0.01	3.790	2.740	3.870									
2003	91	23	120	785.506	-1068.610	D	8.347	8.347	0.000	82.65	15.79	0.43	0.24	
0.02	0.38	0.00	3.740	2.720	3.850									
2003	92	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	93	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	94	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	95	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	96	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	97	23	120	785.506	-1068.610	D	8.357	8.347	0.010	87.34	12.15	0.13	0.15	
0.01	0.22	0.00	3.740	2.720	3.850									
2003	98	23	81	777.710	-1118.013	D	8.410	8.347	0.063	89.96	9.52	0.12	0.16	0.00
0.23	0.00	3.740	2.720	3.850										
2003	99	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	100	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	101	23	81	777.710	-1118.013	D	8.368	8.347	0.021	86.65	12.25	0.25	0.33	
0.05	0.47	0.00	3.740	2.720	3.850									
2003	102	23	81	777.710	-1118.013	D	8.883	8.347	0.536	88.31	10.78	0.22	0.27	
0.02	0.39	0.00	3.740	2.720	3.850									
2003	103	23	120	785.506	-1068.610	D	8.637	8.347	0.289	94.00	5.24	0.19	0.23	
0.03	0.33	0.00	3.740	2.720	3.850									
2003	104	23	120	785.506	-1068.610	D	8.405	8.347	0.057	95.47	3.85	0.16	0.20	
0.01	0.29	0.00	3.740	2.720	3.850									
2003	105	23	116	788.252	-1072.109	D	8.347	8.347	0.000	88.07	7.95	0.00	0.17	
0.02	0.25	0.00	3.740	2.720	3.850									
2003	106	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	107	23	81	777.710	-1118.013	D	8.648	8.347	0.300	81.14	17.63	0.29	0.37	
0.01	0.53	0.02	3.740	2.720	3.850									
2003	108	23	81	777.710	-1118.013	D	8.457	8.347	0.110	77.68	21.77	0.13	0.16	
0.01	0.24	0.00	3.740	2.720	3.850									
2003	109	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	110	23	120	785.506	-1068.610	D	8.349	8.347	0.002	91.64	7.15	0.34	0.32	
0.04	0.49	0.00	3.740	2.720	3.850									
2003	111	23	81	777.710	-1118.013	D	8.528	8.347	0.181	94.53	4.02	0.32	0.45	0.03
0.64	0.00	3.740	2.720	3.850										
2003	112	23	81	777.710	-1118.013	D	8.364	8.347	0.017	97.49	1.45	0.22	0.35	0.02

0.48	0.00	3.740	2.720	3.850										
2003	113	23	81	777.710	-1118.013	D	8.351	8.347	0.004	97.02	2.20	0.18	0.25	0.02
0.34	0.00	3.740	2.720	3.850										
2003	114	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	115	23	81	777.710	-1118.013	D	8.554	8.347	0.207	82.09	16.85	0.26	0.31	
0.02	0.45	0.00	3.740	2.720	3.850									
2003	116	23	97	791.921	-1085.827	D	8.592	8.347	0.245	96.90	2.44	0.17	0.20	0.00
0.29	0.00	3.740	2.720	3.850										
2003	117	23	81	777.710	-1118.013	D	8.412	8.347	0.065	98.15	1.21	0.16	0.19	0.00
0.28	0.00	3.740	2.720	3.850										
2003	118	23	81	777.710	-1118.013	D	8.352	8.347	0.004	96.39	3.02	0.15	0.18	0.00
0.26	0.00	3.740	2.720	3.850										
2003	119	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	120	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.740	2.720	3.850										
2003	121	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	122	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	123	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	124	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	125	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	126	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	127	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	128	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	129	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	130	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	131	23	120	785.506	-1068.610	D	8.456	8.435	0.020	86.68	12.24	0.19	0.38	
0.00	0.50	0.00	3.940	2.830	4.020									
2003	132	23	81	777.710	-1118.013	D	8.444	8.435	0.009	97.97	0.60	0.19	0.55	0.00
0.69	0.00	3.940	2.830	4.020										
2003	133	23	120	785.506	-1068.610	D	8.437	8.435	0.002	98.14	0.68	0.16	0.46	
0.00	0.58	0.00	3.940	2.830	4.020									
2003	134	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	135	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	136	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.940	2.830	4.020										
2003	137	23	120	785.506	-1068.610	D	8.470	8.435	0.035	97.63	1.79	0.15	0.18	
0.00	0.26	0.00	3.940	2.830	4.020									
2003	138	23	120	785.506	-1068.610	D	8.593	8.435	0.157	98.52	0.95	0.13	0.16	
0.01	0.23	0.00	3.940	2.830	4.020									
2003	139	23	120	785.506	-1068.610	D	8.522	8.435	0.087	98.71	0.84	0.11	0.14	
0.00	0.20	0.00	3.940	2.830	4.020									
2003	140	23	81	777.710	-1118.013	D	8.483	8.435	0.048	98.88	0.69	0.11	0.13	0.00

0.19	0.00	3.940	2.830	4.020										
2003	141	23	81	777.710	-1118.013	D	8.451	8.435	0.015	98.84	0.76	0.11	0.12	0.00
0.18	0.00	3.940	2.830	4.020										
2003	142	23	81	777.710	-1118.013	D	8.437	8.435	0.001	98.98	0.60	0.11	0.13	0.00
0.19	0.00	3.940	2.830	4.020										
2003	143	23	120	785.506	-1068.610	D	8.438	8.435	0.002	98.71	0.85	0.10	0.14	
0.00	0.20	0.00	3.940	2.830	4.020									
2003	144	23	120	785.506	-1068.610	D	8.444	8.435	0.009	98.94	0.60	0.11	0.14	
0.00	0.21	0.00	3.940	2.830	4.020									
2003	145	23	120	785.506	-1068.610	D	8.573	8.435	0.137	98.63	0.80	0.14	0.17	
0.01	0.25	0.00	3.940	2.830	4.020									
2003	146	23	120	785.506	-1068.610	D	8.666	8.435	0.231	95.88	3.50	0.15	0.19	
0.02	0.27	0.00	3.940	2.830	4.020									
2003	147	23	81	777.710	-1118.013	D	8.490	8.435	0.055	99.01	0.45	0.13	0.17	0.01
0.24	0.00	3.940	2.830	4.020										
2003	148	23	81	777.710	-1118.013	D	8.441	8.435	0.005	98.08	1.14	0.19	0.23	0.03
0.33	0.00	3.940	2.830	4.020										
2003	149	23	81	777.710	-1118.013	D	9.373	8.435	0.937	97.64	1.17	0.29	0.36	0.03
0.51	0.00	3.940	2.830	4.020										
2003	150	23	120	785.506	-1068.610	D	8.948	8.435	0.513	97.42	1.86	0.17	0.21	
0.03	0.31	0.00	3.940	2.830	4.020									
2003	151	23	120	785.506	-1068.610	D	8.610	8.435	0.174	97.92	1.52	0.14	0.17	
0.01	0.24	0.00	3.940	2.830	4.020									
2003	152	23	120	785.506	-1068.610	D	8.571	8.519	0.052	98.23	1.20	0.14	0.17	
0.01	0.25	0.00	4.120	2.940	4.210									
2003	153	23	120	785.506	-1068.610	D	8.549	8.519	0.029	98.17	1.46	0.09	0.11	
0.00	0.16	0.00	4.120	2.940	4.210									
2003	154	23	120	785.506	-1068.610	D	8.573	8.519	0.054	96.13	3.27	0.15	0.18	
0.02	0.26	0.00	4.120	2.940	4.210									
2003	155	23	120	785.506	-1068.610	D	8.545	8.519	0.025	98.45	0.98	0.14	0.17	
0.01	0.25	0.00	4.120	2.940	4.210									
2003	156	23	81	777.710	-1118.013	D	8.519	8.519	0.000	97.60	1.44	0.00	0.22	0.00
0.27	0.00	4.120	2.940	4.210										
2003	157	23	120	785.506	-1068.610	D	8.528	8.519	0.009	98.11	1.33	0.13	0.16	
0.03	0.24	0.00	4.120	2.940	4.210									
2003	158	23	81	777.710	-1118.013	D	9.719	8.519	1.199	97.68	1.73	0.15	0.17	0.02
0.25	0.00	4.120	2.940	4.210										
2003	159	23	81	777.710	-1118.013	D	10.527	8.519	2.008	97.67	1.80	0.13	0.16	
0.02	0.23	0.00	4.120	2.940	4.210									
2003	160	23	120	785.506	-1068.610	D	9.027	8.519	0.508	98.41	1.16	0.10	0.13	
0.01	0.19	0.00	4.120	2.940	4.210									
2003	161	23	120	785.506	-1068.610	D	8.522	8.519	0.003	97.91	1.70	0.09	0.13	
0.01	0.18	0.00	4.120	2.940	4.210									
2003	162	23	120	785.506	-1068.610	D	8.520	8.519	0.001	98.41	1.12	0.11	0.17	
0.00	0.24	0.00	4.120	2.940	4.210									
2003	163	23	112	790.195	-1075.680	D	8.519	8.519	0.000	97.83	0.82	0.00	0.09	
0.00	0.15	0.00	4.120	2.940	4.210									
2003	164	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.120	2.940	4.210										
2003	165	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.120	2.940	4.210										
2003	166	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.120	2.940	4.210										
2003	167	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.120	2.940	4.210										
2003	168	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00

0.00	0.00	4.120	2.940	4.210										
2003	169	23	120	785.506	-1068.610	D	8.520	8.519	0.000	98.76	0.84	0.11	0.11	
0.00	0.16	0.00	4.120	2.940	4.210									
2003	170	23	120	785.506	-1068.610	D	8.808	8.519	0.289	98.45	1.05	0.12	0.14	
0.03	0.21	0.00	4.120	2.940	4.210									
2003	171	23	120	785.506	-1068.610	D	8.691	8.519	0.171	98.79	0.79	0.11	0.12	
0.01	0.18	0.00	4.120	2.940	4.210									
2003	172	23	120	785.506	-1068.610	D	8.526	8.519	0.006	99.01	0.63	0.09	0.10	
0.01	0.15	0.00	4.120	2.940	4.210									
2003	173	23	120	785.506	-1068.610	D	8.520	8.519	0.001	99.34	0.34	0.08	0.10	
0.00	0.15	0.00	4.120	2.940	4.210									
2003	174	23	120	785.506	-1068.610	D	8.520	8.519	0.000	99.31	0.38	0.10	0.10	
0.00	0.14	0.00	4.120	2.940	4.210									
2003	175	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.120	2.940	4.210										
2003	176	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.120	2.940	4.210										
2003	177	23	120	785.506	-1068.610	D	8.534	8.519	0.015	97.85	1.66	0.12	0.14	
0.02	0.21	0.00	4.120	2.940	4.210									
2003	178	23	81	777.710	-1118.013	D	8.619	8.519	0.099	98.41	1.11	0.12	0.15	0.01
0.21	0.00	4.120	2.940	4.210										
2003	179	23	81	777.710	-1118.013	D	8.525	8.519	0.005	99.24	0.32	0.10	0.13	0.01
0.19	0.00	4.120	2.940	4.210										
2003	180	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.120	2.940	4.210										
2003	181	23	81	777.710	-1118.013	D	8.520	8.519	0.000	99.22	0.39	0.09	0.10	0.00
0.15	0.00	4.120	2.940	4.210										
2003	182	23	81	777.710	-1118.013	D	8.648	8.643	0.005	98.97	0.70	0.09	0.10	0.00
0.15	0.00	4.410	3.100	4.440										
2003	183	23	81	777.710	-1118.013	D	8.660	8.643	0.017	98.64	1.03	0.08	0.10	0.01
0.14	0.00	4.410	3.100	4.440										
2003	184	23	120	785.506	-1068.610	D	8.670	8.643	0.027	98.74	0.94	0.08	0.09	
0.01	0.14	0.00	4.410	3.100	4.440									
2003	185	23	120	785.506	-1068.610	D	8.672	8.643	0.029	98.84	0.84	0.08	0.09	
0.00	0.13	0.00	4.410	3.100	4.440									
2003	186	23	120	785.506	-1068.610	D	8.678	8.643	0.035	99.02	0.67	0.08	0.09	
0.00	0.13	0.00	4.410	3.100	4.440									
2003	187	23	120	785.506	-1068.610	D	8.651	8.643	0.008	99.32	0.38	0.08	0.09	
0.00	0.13	0.00	4.410	3.100	4.440									
2003	188	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.410	3.100	4.440										
2003	189	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.410	3.100	4.440										
2003	190	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.410	3.100	4.440										
2003	191	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.410	3.100	4.440										
2003	192	23	120	785.506	-1068.610	D	8.647	8.643	0.004	98.27	1.06	0.16	0.19	
0.03	0.28	0.00	4.410	3.100	4.440									
2003	193	23	120	785.506	-1068.610	D	8.646	8.643	0.003	98.67	0.81	0.12	0.15	
0.02	0.22	0.00	4.410	3.100	4.440									
2003	194	23	120	785.506	-1068.610	D	8.644	8.643	0.001	99.06	0.49	0.11	0.13	
0.02	0.19	0.00	4.410	3.100	4.440									
2003	195	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.410	3.100	4.440										
2003	196	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00

0.00	0.00	4.410	3.100	4.440															
2003	197	23	120	785.506	-1068.610	D	8.854	8.643	0.211	97.70	1.49	0.18	0.24						
0.04	0.34	0.01	4.410	3.100	4.440														
2003	198	23	120	785.506	-1068.610	D	9.436	8.643	0.793	98.67	0.68	0.15	0.19						
0.02	0.28	0.00	4.410	3.100	4.440														
2003	199	23	120	785.506	-1068.610	D	9.728	8.643	1.085	98.81	0.65	0.13	0.16						
0.02	0.23	0.00	4.410	3.100	4.440														
2003	200	23	120	785.506	-1068.610	D	10.645	8.643	2.002	98.14	1.25	0.15	0.18						
0.02	0.26	0.01	4.410	3.100	4.440														
2003	201	23	120	785.506	-1068.610	D	9.508	8.643	0.866	97.54	1.79	0.16	0.19						
0.02	0.28	0.01	4.410	3.100	4.440														
2003	202	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.410	3.100	4.440															
2003	203	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.410	3.100	4.440															
2003	204	23	120	785.506	-1068.610	D	8.698	8.643	0.055	97.58	1.95	0.18	0.10						
0.01	0.18	0.00	4.410	3.100	4.440														
2003	205	23	120	785.506	-1068.610	D	8.646	8.643	0.003	98.75	0.93	0.15	0.05						
0.01	0.11	0.00	4.410	3.100	4.440														
2003	206	23	120	785.506	-1068.610	D	8.643	8.643	0.000	99.14	0.97	0.00	0.06						
0.01	0.12	0.00	4.410	3.100	4.440														
2003	207	23	120	785.506	-1068.610	D	8.645	8.643	0.002	98.89	0.67	0.09	0.15						
0.01	0.21	0.00	4.410	3.100	4.440														
2003	208	23	120	785.506	-1068.610	D	8.644	8.643	0.001	98.76	0.67	0.09	0.20						
0.01	0.27	0.00	4.410	3.100	4.440														
2003	209	23	120	785.506	-1068.610	D	8.689	8.643	0.046	95.75	3.52	0.18	0.21						
0.03	0.31	0.00	4.410	3.100	4.440														
2003	210	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.410	3.100	4.440															
2003	211	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.410	3.100	4.440															
2003	212	23	119	786.393	-1069.467	D	8.643	8.643	0.000	95.16	3.83	0.00	0.07						
0.08	0.17	0.04	4.410	3.100	4.440														
2003	213	23	120	785.506	-1068.610	D	8.625	8.622	0.003	97.11	2.47	0.17	0.07						
0.04	0.15	0.00	4.370	3.070	4.380														
2003	214	23	120	785.506	-1068.610	D	8.623	8.622	0.001	98.18	1.47	0.18	0.05						
0.01	0.12	0.00	4.370	3.070	4.380														
2003	215	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.370	3.070	4.380															
2003	216	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.370	3.070	4.380															
2003	217	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.370	3.070	4.380															
2003	218	23	120	785.506	-1068.610	D	8.654	8.622	0.032	94.11	5.06	0.18	0.25						
0.05	0.35	0.00	4.370	3.070	4.380														
2003	219	23	81	777.710	-1118.013	D	8.832	8.622	0.210	97.92	1.34	0.16	0.25	0.01					
0.34	0.00	4.370	3.070	4.380															
2003	220	23	81	777.710	-1118.013	D	8.633	8.622	0.011	98.71	0.46	0.12	0.31	0.00					
0.39	0.00	4.370	3.070	4.380															
2003	221	23	81	777.710	-1118.013	D	8.638	8.622	0.016	98.71	0.78	0.12	0.16	0.00					
0.23	0.00	4.370	3.070	4.380															
2003	222	23	81	777.710	-1118.013	D	8.693	8.622	0.071	98.83	0.72	0.11	0.14	0.00					
0.20	0.00	4.370	3.070	4.380															
2003	223	23	81	777.710	-1118.013	D	8.793	8.622	0.171	98.84	0.75	0.10	0.12	0.01					
0.18	0.00	4.370	3.070	4.380															
2003	224	23	120	785.506	-1068.610	D	8.808	8.622	0.185	98.90	0.73	0.09	0.11						

0.01	0.16	0.00	4.370	3.070	4.380								
2003	225	23	120	785.506	-1068.610	D	8.669	8.622	0.047	98.89	0.78	0.09	0.10
0.01	0.15	0.00	4.370	3.070	4.380								
2003	226	23	120	785.506	-1068.610	D	8.654	8.622	0.032	98.91	0.76	0.09	0.10
0.01	0.14	0.00	4.370	3.070	4.380								
2003	227	23	120	785.506	-1068.610	D	8.667	8.622	0.045	99.10	0.56	0.08	0.10
0.01	0.15	0.00	4.370	3.070	4.380								
2003	228	23	120	785.506	-1068.610	D	8.671	8.622	0.049	99.18	0.47	0.08	0.11
0.00	0.16	0.00	4.370	3.070	4.380								
2003	229	23	120	785.506	-1068.610	D	8.679	8.622	0.057	99.11	0.51	0.09	0.12
0.01	0.17	0.00	4.370	3.070	4.380								
2003	230	23	120	785.506	-1068.610	D	8.673	8.622	0.051	99.22	0.37	0.10	0.12
0.00	0.18	0.00	4.370	3.070	4.380								
2003	231	23	120	785.506	-1068.610	D	8.655	8.622	0.033	99.13	0.46	0.10	0.12
0.01	0.18	0.00	4.370	3.070	4.380								
2003	232	23	120	785.506	-1068.610	D	8.647	8.622	0.025	99.27	0.33	0.10	0.12
0.00	0.18	0.00	4.370	3.070	4.380								
2003	233	23	120	785.506	-1068.610	D	8.653	8.622	0.031	99.16	0.44	0.10	0.12
0.01	0.18	0.00	4.370	3.070	4.380								
2003	234	23	120	785.506	-1068.610	D	8.643	8.622	0.021	99.27	0.34	0.10	0.12
0.01	0.17	0.00	4.370	3.070	4.380								
2003	235	23	120	785.506	-1068.610	D	8.641	8.622	0.019	99.28	0.32	0.10	0.12
0.01	0.18	0.00	4.370	3.070	4.380								
2003	236	23	120	785.506	-1068.610	D	8.635	8.622	0.013	99.36	0.25	0.09	0.12
0.00	0.17	0.00	4.370	3.070	4.380								
2003	237	23	120	785.506	-1068.610	D	8.632	8.622	0.010	99.38	0.24	0.09	0.12
0.00	0.17	0.00	4.370	3.070	4.380								
2003	238	23	120	785.506	-1068.610	D	8.627	8.622	0.005	99.36	0.25	0.09	0.12
0.00	0.17	0.00	4.370	3.070	4.380								
2003	239	23	120	785.506	-1068.610	D	8.625	8.622	0.003	99.50	0.12	0.09	0.12
0.00	0.18	0.00	4.370	3.070	4.380								
2003	240	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.370	3.070	4.380									
2003	241	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
0.00	0.00	4.370	3.070	4.380									
2003	242	23	81	777.710	-1118.013	D	8.622	8.622	0.000	97.73	0.38	0.00	0.24
0.30	0.00	4.370	3.070	4.380									
2003	243	23	81	777.710	-1118.013	D	8.622	8.622	0.000	100.81	0.20	0.00	0.24
0.00	0.30	0.00	4.370	3.070	4.380								
2003	244	23	81	777.710	-1118.013	D	8.541	8.541	0.000	100.00	0.00	0.00	0.25
0.00	0.31	0.00	4.180	2.970	4.230								
2003	245	23	119	786.393	-1069.467	D	8.541	8.541	0.000	95.00	1.25	0.00	0.13
0.01	0.19	0.00	4.180	2.970	4.230								
2003	246	23	120	785.506	-1068.610	D	8.677	8.541	0.136	98.24	1.32	0.11	0.13
0.01	0.19	0.00	4.180	2.970	4.230								
2003	247	23	81	777.710	-1118.013	D	8.697	8.541	0.156	99.30	0.27	0.10	0.13
0.19	0.00	4.180	2.970	4.230									
2003	248	23	81	777.710	-1118.013	D	8.564	8.541	0.022	99.20	0.38	0.10	0.13
0.19	0.00	4.180	2.970	4.230									
2003	249	23	81	777.710	-1118.013	D	8.561	8.541	0.020	98.84	0.70	0.11	0.14
0.20	0.00	4.180	2.970	4.230									
2003	250	23	81	777.710	-1118.013	D	8.706	8.541	0.165	99.11	0.32	0.13	0.18
0.25	0.00	4.180	2.970	4.230									
2003	251	23	81	777.710	-1118.013	D	8.693	8.541	0.152	99.16	0.30	0.12	0.17
0.24	0.00	4.180	2.970	4.230									
2003	252	23	120	785.506	-1068.610	D	8.558	8.541	0.016	99.16	0.45	0.10	0.12

0.00	0.17	0.00	4.180	2.970	4.230									
2003	253	23	120	785.506	-1068.610	D	8.544	8.541	0.003	99.02	0.70	0.08	0.08	
0.00	0.12	0.00	4.180	2.970	4.230									
2003	254	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.180	2.970	4.230										
2003	255	23	120	785.506	-1068.610	D	8.542	8.541	0.000	98.04	1.48	0.12	0.17	
0.01	0.24	0.00	4.180	2.970	4.230									
2003	256	23	120	785.506	-1068.610	D	8.563	8.541	0.022	97.08	1.98	0.22	0.28	
0.05	0.39	0.01	4.180	2.970	4.230									
2003	257	23	81	777.710	-1118.013	D	8.577	8.541	0.036	97.55	1.59	0.21	0.26	0.01
0.38	0.00	4.180	2.970	4.230										
2003	258	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.180	2.970	4.230										
2003	259	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.180	2.970	4.230										
2003	260	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	4.180	2.970	4.230										
2003	261	23	120	785.506	-1068.610	D	8.541	8.541	0.000	97.28	0.54	0.00	0.25	
0.00	0.33	0.00	4.180	2.970	4.230									
2003	262	23	120	785.506	-1068.610	D	8.542	8.541	0.001	98.34	0.97	0.16	0.20	
0.01	0.29	0.00	4.180	2.970	4.230									
2003	263	23	120	785.506	-1068.610	D	8.542	8.541	0.000	98.96	0.43	0.17	0.20	
0.00	0.29	0.00	4.180	2.970	4.230									
2003	264	23	120	785.506	-1068.610	D	8.544	8.541	0.003	98.09	1.32	0.14	0.19	
0.00	0.27	0.00	4.180	2.970	4.230									
2003	265	23	120	785.506	-1068.610	D	8.553	8.541	0.012	98.86	0.56	0.14	0.18	
0.00	0.26	0.00	4.180	2.970	4.230									
2003	266	23	81	777.710	-1118.013	D	8.545	8.541	0.004	99.29	0.15	0.14	0.18	0.00
0.25	0.00	4.180	2.970	4.230										
2003	267	23	120	785.506	-1068.610	D	8.545	8.541	0.004	98.74	0.71	0.13	0.16	
0.00	0.24	0.00	4.180	2.970	4.230									
2003	268	23	120	785.506	-1068.610	D	8.545	8.541	0.003	98.92	0.57	0.13	0.16	
0.00	0.23	0.00	4.180	2.970	4.230									
2003	269	23	120	785.506	-1068.610	D	8.553	8.541	0.012	97.68	1.79	0.13	0.16	
0.01	0.23	0.00	4.180	2.970	4.230									
2003	270	23	81	777.710	-1118.013	D	8.624	8.541	0.083	98.16	1.28	0.15	0.16	0.01
0.24	0.00	4.180	2.970	4.230										
2003	271	23	81	777.710	-1118.013	D	8.543	8.541	0.002	99.23	0.21	0.11	0.18	0.00
0.25	0.00	4.180	2.970	4.230										
2003	272	23	119	786.393	-1069.467	D	8.541	8.541	0.000	98.72	0.84	0.11	0.13	
0.00	0.19	0.00	4.180	2.970	4.230									
2003	273	23	120	785.506	-1068.610	D	8.542	8.541	0.001	98.93	0.64	0.11	0.13	
0.00	0.19	0.00	4.180	2.970	4.230									
2003	274	23	120	785.506	-1068.610	D	8.426	8.425	0.001	97.54	2.03	0.11	0.13	
0.00	0.19	0.00	3.920	2.820	3.990									
2003	275	23	120	785.506	-1068.610	D	8.425	8.425	0.001	98.06	1.41	0.11	0.15	
0.00	0.21	0.00	3.920	2.820	3.990									
2003	276	23	120	785.506	-1068.610	D	8.427	8.425	0.002	96.36	3.02	0.16	0.19	
0.01	0.28	0.00	3.920	2.820	3.990									
2003	277	23	120	785.506	-1068.610	D	8.435	8.425	0.010	96.50	2.87	0.16	0.19	
0.01	0.28	0.00	3.920	2.820	3.990									
2003	278	23	120	785.506	-1068.610	D	8.442	8.425	0.017	95.00	4.26	0.17	0.23	
0.01	0.33	0.00	3.920	2.820	3.990									
2003	279	23	120	785.506	-1068.610	D	8.437	8.425	0.013	97.06	2.24	0.16	0.22	
0.00	0.31	0.00	3.920	2.820	3.990									
2003	280	23	120	785.506	-1068.610	D	8.427	8.425	0.002	98.30	1.14	0.13	0.17	

0.00	0.24	0.00	3.920	2.820	3.990									
2003	281	23	120	785.506	-1068.610	D	8.425	8.425	0.000	97.84	1.53	0.19	0.19	
0.00	0.27	0.00	3.920	2.820	3.990									
2003	282	23	120	785.506	-1068.610	D	8.430	8.425	0.005	91.74	7.86	0.11	0.11	
0.01	0.17	0.00	3.920	2.820	3.990									
2003	283	23	120	785.506	-1068.610	D	8.431	8.425	0.006	94.41	5.20	0.10	0.11	
0.01	0.17	0.00	3.920	2.820	3.990									
2003	284	23	120	785.506	-1068.610	D	8.447	8.425	0.022	98.37	1.21	0.10	0.13	
0.01	0.18	0.00	3.920	2.820	3.990									
2003	285	23	120	785.506	-1068.610	D	8.448	8.425	0.023	98.74	0.86	0.10	0.12	
0.01	0.18	0.00	3.920	2.820	3.990									
2003	286	23	120	785.506	-1068.610	D	8.698	8.425	0.273	96.34	2.97	0.16	0.21	
0.02	0.30	0.01	3.920	2.820	3.990									
2003	287	23	81	777.710	-1118.013	D	8.508	8.425	0.083	98.02	1.02	0.23	0.28	0.01
0.41	0.03	3.920	2.820	3.990										
2003	288	23	81	777.710	-1118.013	D	8.427	8.425	0.002	99.28	0.40	0.13	0.07	0.00
0.13	0.00	3.920	2.820	3.990										
2003	289	23	120	785.506	-1068.610	D	8.458	8.425	0.033	97.17	1.97	0.22	0.26	
0.01	0.38	0.00	3.920	2.820	3.990									
2003	290	23	81	777.710	-1118.013	D	9.240	8.425	0.815	90.90	8.13	0.23	0.30	0.01
0.43	0.00	3.920	2.820	3.990										
2003	291	23	81	777.710	-1118.013	D	8.426	8.425	0.001	98.75	0.47	0.19	0.25	0.00
0.35	0.00	3.920	2.820	3.990										
2003	292	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.920	2.820	3.990										
2003	293	23	120	785.506	-1068.610	D	8.598	8.425	0.173	92.88	5.30	0.45	0.50	
0.11	0.74	0.03	3.920	2.820	3.990									
2003	294	23	120	785.506	-1068.610	D	8.767	8.425	0.342	93.11	3.45	0.66	0.80	
0.07	1.16	0.76	3.920	2.820	3.990									
2003	295	23	120	785.506	-1068.610	D	8.518	8.425	0.093	94.87	2.63	0.56	0.69	
0.04	1.00	0.21	3.920	2.820	3.990									
2003	296	23	81	777.710	-1118.013	D	8.587	8.425	0.162	87.91	11.36	0.17	0.22	
0.01	0.31	0.00	3.920	2.820	3.990									
2003	297	23	120	785.506	-1068.610	D	8.454	8.425	0.029	94.20	5.24	0.14	0.17	
0.01	0.25	0.00	3.920	2.820	3.990									
2003	298	23	120	785.506	-1068.610	D	8.431	8.425	0.006	95.54	3.79	0.15	0.21	
0.00	0.30	0.00	3.920	2.820	3.990									
2003	299	23	120	785.506	-1068.610	D	8.833	8.425	0.408	84.76	14.44	0.18	0.23	
0.01	0.33	0.04	3.920	2.820	3.990									
2003	300	23	81	777.710	-1118.013	D	8.516	8.425	0.091	95.79	3.42	0.17	0.25	0.01
0.35	0.01	3.920	2.820	3.990										
2003	301	23	120	785.506	-1068.610	D	8.803	8.425	0.378	91.83	6.74	0.49	0.32	
0.05	0.55	0.02	3.920	2.820	3.990									
2003	302	23	120	785.506	-1068.610	D	8.437	8.425	0.012	94.40	4.77	0.39	0.13	
0.02	0.30	0.00	3.920	2.820	3.990									
2003	303	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.920	2.820	3.990										
2003	304	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.920	2.820	3.990										
2003	305	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	306	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	307	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	308	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00

0.00	0.00	3.930	2.830	4.010										
2003	309	23	81	777.710	-1118.013	D	8.867	8.431	0.436	95.11	3.27	0.40	0.47	0.04
0.69	0.02	3.930	2.830	4.010										
2003	310	23	120	785.506	-1068.610	D	8.703	8.431	0.272	90.82	7.31	0.40	0.51	
0.01	0.73	0.22	3.930	2.830	4.010									
2003	311	23	81	777.710	-1118.013	D	8.451	8.431	0.020	95.79	3.28	0.19	0.29	0.01
0.40	0.05	3.930	2.830	4.010										
2003	312	23	81	777.710	-1118.013	D	8.431	8.431	0.000	98.06	0.83	0.12	0.34	0.00
0.43	0.00	3.930	2.830	4.010										
2003	313	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	314	23	119	786.393	-1069.467	D	8.431	8.431	0.000	96.53	2.69	0.00	0.21	
0.01	0.29	0.00	3.930	2.830	4.010									
2003	315	23	120	785.506	-1068.610	D	8.431	8.431	0.000	96.32	3.05	0.19	0.28	
0.00	0.36	0.00	3.930	2.830	4.010									
2003	316	23	81	777.710	-1118.013	D	8.491	8.431	0.061	90.32	6.74	0.52	0.64	0.05
0.92	0.81	3.930	2.830	4.010										
2003	317	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	318	23	120	785.506	-1068.610	D	8.431	8.431	0.000	94.96	3.87	0.00	0.43	
0.00	0.54	0.00	3.930	2.830	4.010									
2003	319	23	120	785.506	-1068.610	D	8.431	8.431	0.000	93.46	5.45	0.15	0.42	
0.00	0.52	0.00	3.930	2.830	4.010									
2003	320	23	120	785.506	-1068.610	D	8.431	8.431	0.000	92.41	6.64	0.17	0.40	
0.00	0.51	0.00	3.930	2.830	4.010									
2003	321	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	322	23	86	789.227	-1101.058	D	8.452	8.431	0.021	44.94	42.88	1.11	1.39	
0.24	2.01	7.42	3.930	2.830	4.010									
2003	323	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	324	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	325	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	326	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	327	23	85	785.607	-1106.067	D	8.471	8.431	0.040	50.88	44.91	0.43	0.55	
0.03	0.79	2.41	3.930	2.830	4.010									
2003	328	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	329	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	330	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	331	23	120	785.506	-1068.610	D	8.543	8.431	0.112	60.83	36.99	0.29	0.37	
0.04	0.53	0.94	3.930	2.830	4.010									
2003	332	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	333	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.930	2.830	4.010										
2003	334	23	120	785.506	-1068.610	D	8.447	8.431	0.016	84.67	14.07	0.31	0.37	
0.01	0.54	0.03	3.930	2.830	4.010									
2003	335	23	120	785.506	-1068.610	D	8.568	8.486	0.081	86.20	12.59	0.30	0.36	
0.01	0.52	0.03	4.060	2.900	4.110									
2003	336	23	120	785.506	-1068.610	D	8.487	8.486	0.000	76.11	23.39	0.21	0.08	

0.00	0.17	0.00	4.060	2.900	4.110														
2003	337	23	120	785.506	-1068.610	D	8.534	8.486	0.047	81.92	17.47	0.15	0.18						
0.00	0.27	0.00	4.060	2.900	4.110														
2003	338	23	120	785.506	-1068.610	D	9.051	8.486	0.565	77.77	21.53	0.15	0.21						
0.00	0.30	0.03	4.060	2.900	4.110														
2003	339	23	81	777.710	-1118.013	D	8.487	8.486	0.000	93.44	5.74	0.19	0.33	0.00					
0.43	0.00	4.060	2.900	4.110															
2003	340	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.060	2.900	4.110															
2003	341	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.060	2.900	4.110															
2003	342	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.060	2.900	4.110															
2003	343	23	120	785.506	-1068.610	D	8.659	8.486	0.173	47.84	47.81	0.52	0.72						
0.03	1.02	2.07	4.060	2.900	4.110														
2003	344	23	81	777.710	-1118.013	D	8.659	8.486	0.173	57.00	40.84	0.40	0.49						
0.04	0.71	0.52	4.060	2.900	4.110														
2003	345	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.060	2.900	4.110															
2003	346	23	81	777.710	-1118.013	D	8.488	8.486	0.001	70.45	29.04	0.20	0.09						
0.01	0.18	0.03	4.060	2.900	4.110														
2003	347	23	81	777.710	-1118.013	D	8.487	8.486	0.000	74.13	25.47	0.17	0.05						
0.01	0.14	0.02	4.060	2.900	4.110														
2003	348	23	81	777.710	-1118.013	D	8.489	8.486	0.002	74.09	25.36	0.14	0.17						
0.01	0.25	0.01	4.060	2.900	4.110														
2003	349	23	120	785.506	-1068.610	D	8.526	8.486	0.039	72.51	26.41	0.20	0.24						
0.02	0.35	0.26	4.060	2.900	4.110														
2003	350	23	99	792.559	-1083.896	D	8.560	8.486	0.074	77.35	21.55	0.21	0.25						
0.02	0.36	0.26	4.060	2.900	4.110														
2003	351	23	120	785.506	-1068.610	D	8.682	8.486	0.195	61.53	35.85	0.49	0.58						
0.04	0.85	0.64	4.060	2.900	4.110														
2003	352	23	81	777.710	-1118.013	D	8.527	8.486	0.041	79.17	17.81	0.62	0.80						
0.04	1.14	0.41	4.060	2.900	4.110														
2003	353	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.060	2.900	4.110															
2003	354	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.060	2.900	4.110															
2003	355	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.060	2.900	4.110															
2003	356	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.060	2.900	4.110															
2003	357	23	120	785.506	-1068.610	D	8.933	8.486	0.446	73.06	25.84	0.19	0.25						
0.01	0.36	0.28	4.060	2.900	4.110														
2003	358	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.060	2.900	4.110															
2003	359	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.060	2.900	4.110															
2003	360	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.060	2.900	4.110															
2003	361	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00				
0.00	0.00	4.060	2.900	4.110															
2003	362	23	81	777.710	-1118.013	D	8.491	8.486	0.004	62.31	36.79	0.17	0.23						
0.01	0.32	0.17	4.060	2.900	4.110														
2003	363	23	81	777.710	-1118.013	D	9.035	8.486	0.548	67.29	31.93	0.17	0.16						
0.01	0.25	0.18	4.060	2.900	4.110														

--- Ranked Daily Visibility Change ---

START TIME

% of Modeled Extinction by Species

Small Large SSalt

YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)	
2003	159	23	81	777.710 -1118.013	D	10.527	8.519	2.008	97.67	1.80	0.13	0.16	0.02	0.23	0.00	4.120	2.940	4.210	1
2003	200	23	120	785.506 -1068.610	D	10.645	8.643	2.002	98.14	1.25	0.15	0.18	0.02	0.26	0.01	4.410	3.100	4.440	2
2003	31	23	81	777.710 -1118.013	D	10.017	8.491	1.525	79.90	19.27	0.14	0.17	0.01	0.25	0.28	4.080	2.910	4.100	3
2003	158	23	81	777.710 -1118.013	D	9.719	8.519	1.199	97.68	1.73	0.15	0.17	0.02	0.25	0.00	4.120	2.940	4.210	4
2003	52	23	81	777.710 -1118.013	D	9.537	8.379	1.158	85.55	13.89	0.12	0.15	0.01	0.22	0.06	3.820	2.760	3.890	5
2003	199	23	120	785.506 -1068.610	D	9.728	8.643	1.085	98.81	0.65	0.13	0.16	0.02	0.23	0.00	4.410	3.100	4.440	6
2003	32	23	81	777.710 -1118.013	D	9.404	8.379	1.025	85.23	14.27	0.12	0.15	0.01	0.21	0.01	3.820	2.760	3.890	7
2003	21	23	120	785.506 -1068.610	D	9.487	8.491	0.996	72.72	26.48	0.16	0.19	0.01	0.27	0.17	4.080	2.910	4.100	8
2003	149	23	81	777.710 -1118.013	D	9.373	8.435	0.937	97.64	1.17	0.29	0.36	0.03	0.51	0.00	3.940	2.830	4.020	9
2003	201	23	120	785.506 -1068.610	D	9.508	8.643	0.866	97.54	1.79	0.16	0.19	0.02	0.28	0.01	4.410	3.100	4.440	10
2003	73	23	120	785.506 -1068.610	D	9.218	8.366	0.852	78.30	21.12	0.14	0.17	0.01	0.25	0.00	3.790	2.740	3.870	11
2003	30	23	120	785.506 -1068.610	D	9.317	8.491	0.825	74.24	25.26	0.11	0.12	0.01	0.17	0.09	4.080	2.910	4.100	12
2003	290	23	81	777.710 -1118.013	D	9.240	8.425	0.815	90.90	8.13	0.23	0.30	0.01	0.43	0.00	3.920	2.820	3.990	13
2003	198	23	120	785.506 -1068.610	D	9.436	8.643	0.793	98.67	0.68	0.15	0.19	0.02	0.28	0.00	4.410	3.100	4.440	14
2003	81	23	81	777.710 -1118.013	D	9.140	8.366	0.773	89.99	9.01	0.25	0.30	0.02	0.44	0.00	3.790	2.740	3.870	15
2003	82	23	81	777.710 -1118.013	D	9.083	8.366	0.717	88.61	10.29	0.27	0.33	0.02	0.48	0.00	3.790	2.740	3.870	16
2003	80	23	120	785.506 -1068.610	D	9.080	8.366	0.714	84.08	14.57	0.33	0.41	0.02	0.59	0.00	3.790	2.740	3.870	17
2002	365	23	81	777.710 -1118.013	D	9.158	8.486	0.672	48.94	47.88	0.39	0.48	0.07	0.69	1.54	4.060	2.900	4.110	18
2003	7	23	120	785.506 -1068.610	D	9.141	8.491	0.650	56.48	40.86	0.42	0.52	0.13	0.75	0.85	4.080	2.910	4.100	19
2003	79	23	85	785.607 -1106.067	D	9.015	8.366	0.649	59.61	37.29	0.52	0.66	0.13	0.95	0.85	3.790	2.740	3.870	20
2003	47	23	81	777.710 -1118.013	D	8.988	8.379	0.610	75.45	23.86	0.15	0.18	0.00	0.27	0.09	3.820	2.760	3.890	21
2003	33	23	120	785.506 -1068.610	D	8.971	8.379	0.593	80.66	18.90	0.11	0.13	0.00	0.19	0.00	3.820	2.760	3.890	22
2003	42	23	120	785.506 -1068.610	D	8.957	8.379	0.579	85.48	14.04	0.12	0.14	0.01	0.21	0.00	3.820	2.760	3.890	23
2003	74	23	120	785.506 -1068.610	D	8.938	8.366	0.572	79.33	20.19	0.11	0.14	0.01	0.21	0.00	3.790	2.740	3.870	24
2003	338	23	120	785.506 -1068.610	D	9.051	8.486	0.565	77.77	21.53	0.15	0.21	0.00	0.30	0.03	4.060	2.900	4.110	25

2003	22	23	81	777.710	-1118.013	D	9.045	8.491	0.554	79.86	19.27	0.16	0.21	0.01
	0.30	0.18	4.080	2.910	4.100	26								
2003	363	23	81	777.710	-1118.013	D	9.035	8.486	0.548	67.29	31.93	0.17	0.16	
	0.01	0.25	0.18	4.060	2.900	4.110	27							
2003	102	23	81	777.710	-1118.013	D	8.883	8.347	0.536	88.31	10.78	0.22	0.27	
	0.02	0.39	0.00	3.740	2.720	3.850	28							
2003	4	23	81	777.710	-1118.013	D	9.008	8.491	0.516	68.89	29.83	0.26	0.33	0.04
	0.47	0.17	4.080	2.910	4.100	29								
2003	150	23	120	785.506	-1068.610	D	8.948	8.435	0.513	97.42	1.86	0.17	0.21	
	0.03	0.31	0.00	3.940	2.830	4.020	30							
2003	160	23	120	785.506	-1068.610	D	9.027	8.519	0.508	98.41	1.16	0.10	0.13	
	0.01	0.19	0.00	4.120	2.940	4.210	31							
2003	43	23	120	785.506	-1068.610	D	8.880	8.379	0.501	87.73	11.68	0.14	0.19	
	0.00	0.27	0.00	3.820	2.760	3.890	32							

--- Number of days with Delta-Deciview => 0.50: 32  
 --- Number of days with Delta-Deciview => 1.00: 7  
 --- Largest Delta-Deciview = 2.008

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 CALPOST Version 6.221 Level 080724  
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### Run-Length VISIBILITY

VISIB BOESNCFG

(deciview)

RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV
120	785.506 -1068.610	D	8.585	8.475	0.110

--- Number of recs with Delta-Deciview > 0.10: 40  
 --- Largest Delta-Deciview = 0.110